

The Trade Wind Zone Oceanography Pilot Study

Part III: Townsend Cromwell Cruises 8, 9, and 10

September to November 1964

By Robert L. Charnell, David W. K. Au,
and Gunter R. Seckel



UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
BUREAU OF COMMERCIAL FISHERIES

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ABSTRACT

A standard grid of oceanographic stations in an area bounded by lat. 10° and 26° N., and long. 148° and 157° W., was occupied at monthly intervals between February 1964 and June 1965. For the third set of three cruises, Townsend Cromwell cruises 8, 9, and 10, September to November 1964, oceanographic station data are tabulated, BT data are presented in vertical sections, and the distribution of surface temperature, surface salinity, and surface dynamic height relative to 1,200 m. for cruises 8 and 9 and 1,000 m. for cruise 10. Methods and procedures as well as the limitations of the data are discussed.

INTRODUCTION

This is the third of a series of reports presenting physical oceanographic data of the Trade Wind Zone Oceanography Pilot Study conducted by the Bureau of Commercial Fisheries Biological Laboratory, Honolulu. The data were obtained during a series of 16 monthly cruises between February 1964 and June 1965 over a set station pattern in an area near the Hawaiian Islands bounded approximately by lat. 10° and 26° N. and long. 148° and 157° W.

The complete set of observations represents a three-dimensional time-sequence distribution of properties (temperature, salinity....) in the trade wind zone of the central North Pacific. It is a pilot study of an investigation in which seasonal changes in the distribution of properties are to be explained in terms of 1) seasonal

changes in the processes of net heat and water exchange across the sea surface, and 2) the effects of seasonal changes in wind stress and water motion. The Trade Wind Zone Oceanography Program was planned by Gunter R. Seckel and is carried out under his direction by HL (Bureau of Commercial Fisheries Biological Laboratory, Honolulu).

This report contains the BT (bathythermograph) and oceanographic station data for the 8th, 9th, and 10th cruises in the series. (Townsend Cromwell cruise 7 was a trawling cruise, not part of this series, and is not reported here.) Figure 1 shows the cruise track for the three cruises and gives the position of the Nansen bottle oceanographic casts and the BT casts.

All cruises were made by the R/V Townsend Cromwell. Cruises 8 and 10 were commanded by Captain Robert E. K. D. Lee, with officers Jan Liefing and Pete Andrich; cruise 9 was commanded by Acting Master Jan Liefing, with Acting First Officer Pete Andrich. The scientific parties were composed of the following: Townsend Cromwell, cruise 8:

September 1 to 20, 1964

David W. K. Au - HL - Field Party Chief
Claude E. Allen - HL

Note.--Robert L. Charnell, Oceanographer, presently with Hazelton Nuclear Science Corp., Palo Alto, California 94303, formerly with Bureau of Commercial Fisheries Biological Laboratory, Honolulu, Hawaii; David W. K. Au, Physical Science Technician and Gunter R. Seckel, Oceanographer, Bureau of Commercial Fisheries Biological Laboratory, Honolulu, Hawaii 96812.

Theodore K. Hirota - HL

Lloyd T. Watarai - HL

George F. Heimerdinger - National
Oceanographic Data Center

Roger B. Clapp - Smithsonian Institution
Dayle N. Husted - Smithsonian Institution

Townsend Cromwell, cruise 9:

October 1 to 20, 1964

Robert L. Charnell - HL - Field Party Chief

Arthur M. Bauckham, Jr. - HL

Robert M. Moncrief - HL

Lloyd T. Watarai - HL

Paul LaViolette - U.S. Naval Oceanographic
Office

Dayle N. Husted - Smithsonian Institution
Warren King - Smithsonian Institution

Townsend Cromwell, cruise 10:

November 4 to 24, 1964

Everet C. Jones - HL - Field Party Chief

Claude E. Allen - HL

Arthur M. Bauckham, Jr. - HL

Robert M. Moncrief - HL

R. J. Grishow - U.S. Naval Oceanographic
Office

Dayle N. Husted - Smithsonian Institution
Warren King - Smithsonian Institution

OBSERVATIONS^{1/}

In addition to the regular Nansen and BT casts shown in figure 1, BT casts were made at 18.5-km. (10-nautical-mile) intervals for studies of variability between stations 2 and 4, 17 and 19, and 23 and 25.

To supplement the physical oceanographic data presented in this report, additional information of the following types was obtained.

Biological

A 1/2-hour surface plankton tow was taken daily at 2000 hours with a 1-m. net. Flyingfish which stranded themselves on deck were collected daily. Regular observations of fish schools, sea mammals, and birds were supplemented by more detailed bird counts by observers from the Smithsonian Institution.

Meteorological

Rain measurements as well as standard weather observations were taken four times daily. Radiation from sun and sky was measured and recorded daily with an Eppley^{2/} pyranometer. These observations were supplemented by daily color photographs of clouds.

Current

Ten plastic-enclosed drift cards, described by Barkley, Ito, and Brown (1964), were released at each BT cast. An additional 10 cards were released at hourly intervals during the first and last 12 hours of cruise 9 and during the first 12 and last 9 hours of cruise 10.

PREPARATION OF DATA

Standard oceanographic procedures were employed in the preparation of the data for this report. Salinity determinations were made on the University of Washington salinity bridge (Paquette, 1958). Duplicate determinations were made with an induction salinometer. When values differed more than 0.02 ‰, the salinity was redetermined on the U.W. salinity bridge, and the mean of the salinity bridge determinations was reported. Oxygen concentrations were determined by the modified Winkler method (Thompson and Robinson, 1939). Inorganic PO₄-P was determined by the procedure of Robinson and Thompson (1948) as modified at the University of Washington. All thermometers had been calibrated at HL since April 1962. The reported temperatures are estimated to be accurate to $\pm 0.02^{\circ}\text{C}$. Application of corrections to protected and unprotected thermometer readings and computations of thermometric depths and L-Z values were performed with an IBM 7040 digital computer at the University of Hawaii Computing Center with a program written at HL. Depths were determined by the use of values from the L-Z curve for the actual depth. This procedure gave depth estimated to be within ± 10 m. down to 1,000 m. and within ± 1 percent below 1,000 m.

Sigma-t, specific volume anomaly, and the dynamic height were computed on the IBM 7040 computer by the program prepared at HL and based on equations given by LaFond (1951).

^{1/}All data not presented in this report are on file at the Bureau of Commercial Fisheries Biological Laboratory, Honolulu, Hawaii 96812

^{2/}Trade names referred to in this publication do not imply endorsement of commercial products.

The computer also was used to interpolate all properties at standard depths by means of a subroutine furnished by the University of Washington Oceanography Department and based on the interpolation method outlined by Rattray (1962).

In the region of study, a sharp thermocline generally separates a surface mixed layer from the subsurface waters. Only infrequently do Nansen casts adequately define this configuration, with the result that the interpolation program provides inaccurate values for temperature. BT data were used to correct the temperature-depth curve in the thermocline and the isothermal layer. When necessary, a value of temperature was chosen from the corrected curve at standard depths in the mixed layer and upper thermocline and, with the corresponding salinity value from the T-S curve, was used with the Nansen cast data in the interpolation program. The resulting interpolated values were much nearer the actual oceanographic situation as implied by the BT trace.

To estimate the validity of values for the surface distribution charts, the surface bucket values of temperature and salinity were compared, for each cruise, with values from the surface Nansen bottles. For temperature, variation was fairly random so that the mean of the difference between the two values was well within the accuracy of the surface bucket thermometer. The root mean square value computed from the above differences was less than 0.2° C. Except for cruise 10 the bucket salinity values were usually larger than the Nansen bottle values, most probably owing to salt contamination at the time of sampling. The mean of the differences was about 0.03 ‰ and the root mean square value was within 0.15 ‰ for each cruise.

PRESENTATION OF DATA

For each of the three cruises the original as well as derived data and section plots for the properties have been included.

Tables 1, 2, and 3 contain the oceanographic station data for cruises 8, 9, and 10, respectively. In addition to the position, date, and time at each station, weather and sea conditions in standard notation have been included in the heading of each station. The first five columns of each station listing show the observed depth, temperature, salinity, oxygen, and phosphate, respectively; the next two columns contain cal-

culated sigma-t and specific volume anomaly for the observed data. The next three columns present the interpolated values of temperature and salinity at standard depths and the last three columns contain sigma-t and the specific volume anomaly calculated from the interpolated data and the anomaly of dynamic height summed from the surface. The error terms, defined by the Rattray interpolation technique, that exceeded 0.10 for temperature and 0.05 for salinity have been noted below the tabulation for each station. Interpolated and extrapolated values as well as irregularities in the original data are noted in these tables.

Temperature distribution sections along long. 148° W., 151° W., 154° W., and 157° W. based on the 270-m. BT's are included; so are the shorter zonal sections between stations 7 and 7A, 25 and 26, and 37 and 40. In addition, surface temperature and salinities are presented with each section. All the sections were plotted automatically by the model 566 Calcomp plotter with a program designed at HL. These seven BT sections are shown in figures 2 through 7 for cruise 8, figures 8 through 13 for cruise 9, and figures 14 through 19 for cruise 10.

The surface temperature distributions, based on bucket temperature at each BT cast, are shown in figures 20, 21, and 22 for cruises 8, 9, and 10, respectively.

The surface salinity distributions, based on bucket salinity samples at each BT cast, are shown in figures 23, 24, and 25 for cruises 8, 9, and 10, respectively.

The dynamic topography, relative to 1,200 m. for cruises 8 and 9 and 1,000 m. for cruise 10, is shown in figures 26, 27, and 28, respectively.

ACKNOWLEDGMENTS

The data for these cruises were processed by HL personnel under the direction of Mary Lynne Godfrey. Betty Ann L. Keala did the computer programming.

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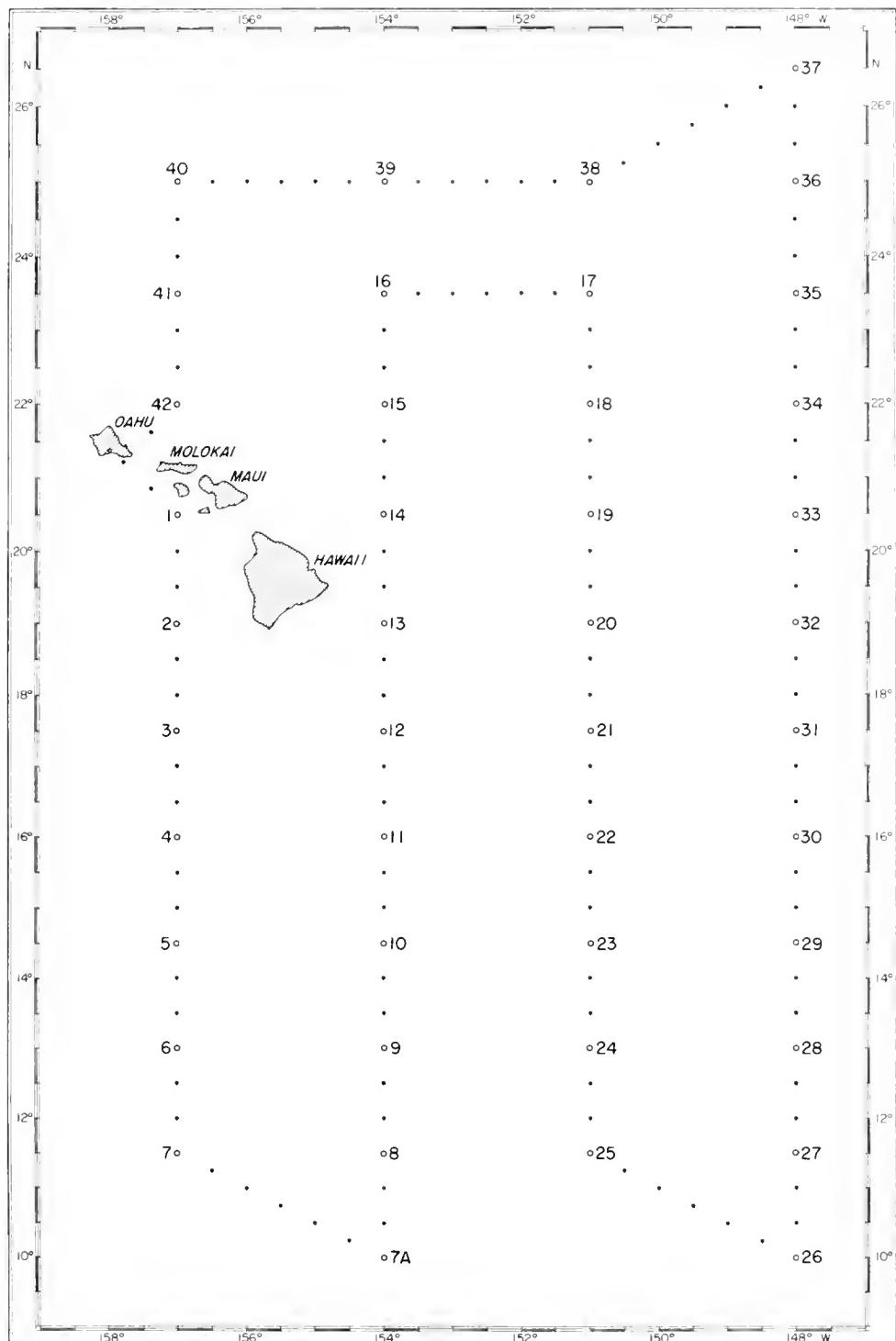


Figure 1.--Track chart for Townsend Cromwell cruises 8, 9, and 10. The large, numbered dots indicate the locations at which both hydrographic and BT (bathythermograph) casts were made; the smaller dots indicate locations at which only BT casts were made.

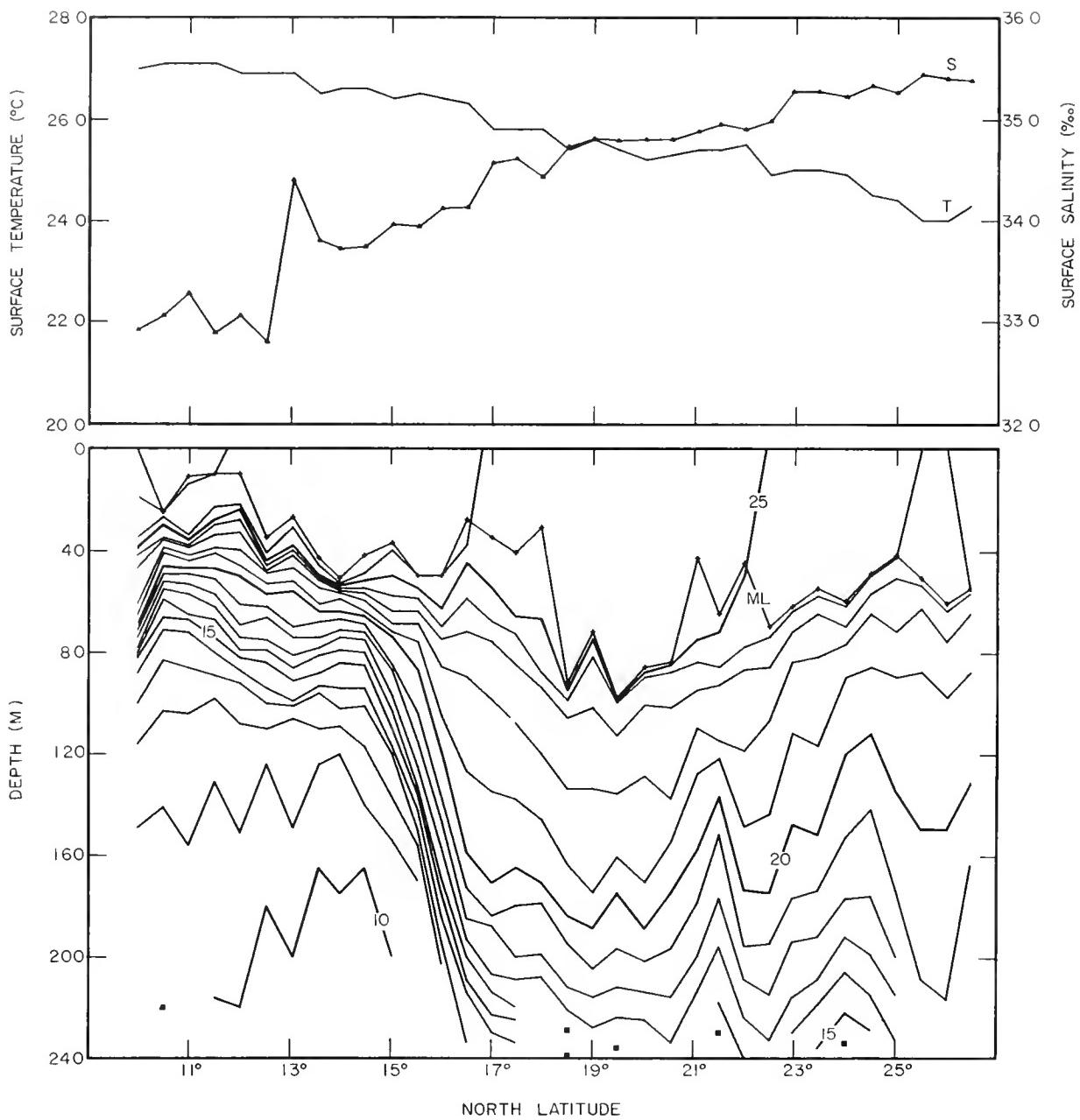


Figure 2.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}$ /oo) (upper panel) and BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 8 along long. 148° W. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

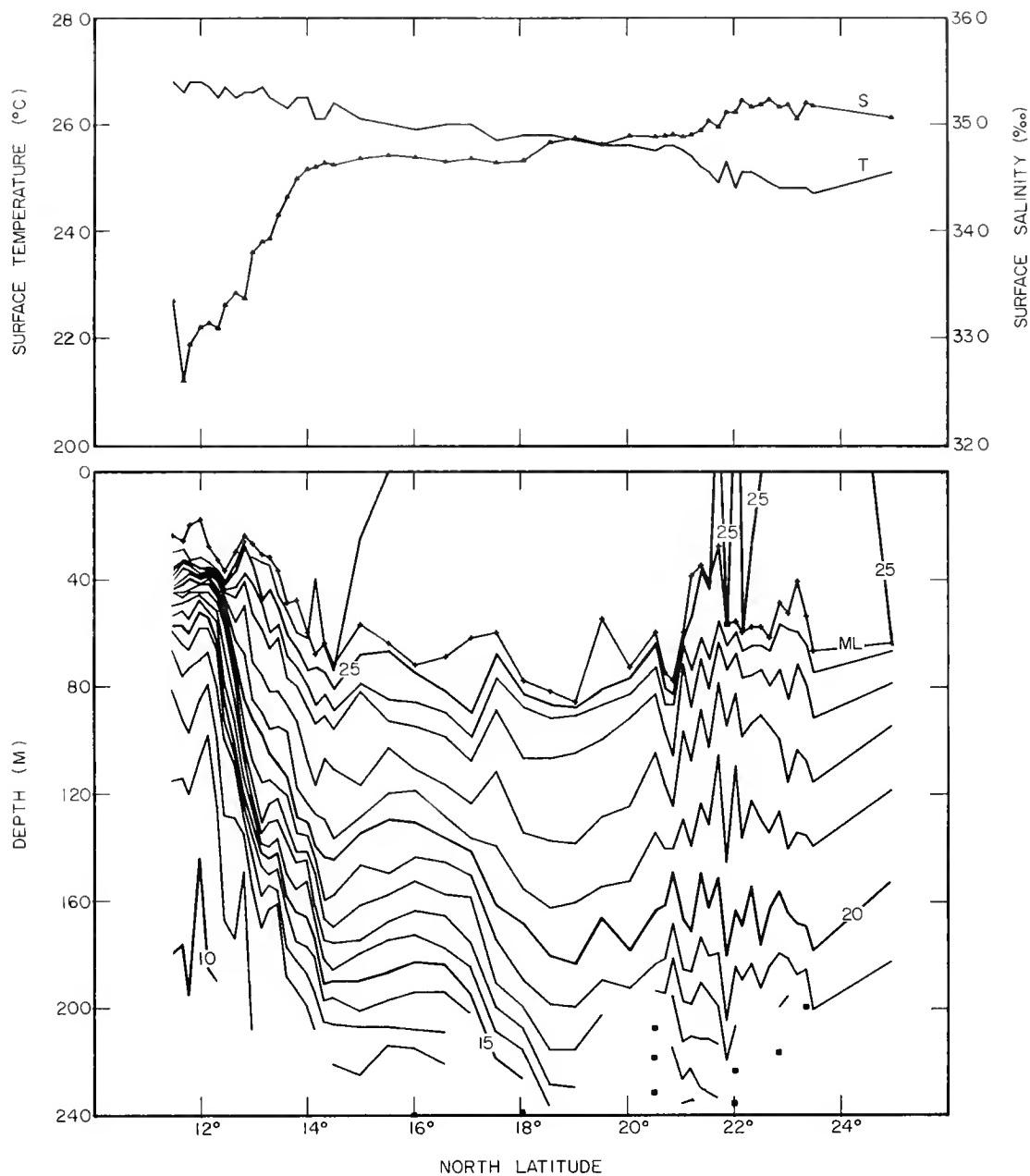


Figure 3.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}/\text{oo}$) (upper panel) and BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 8 along long. 151° W. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

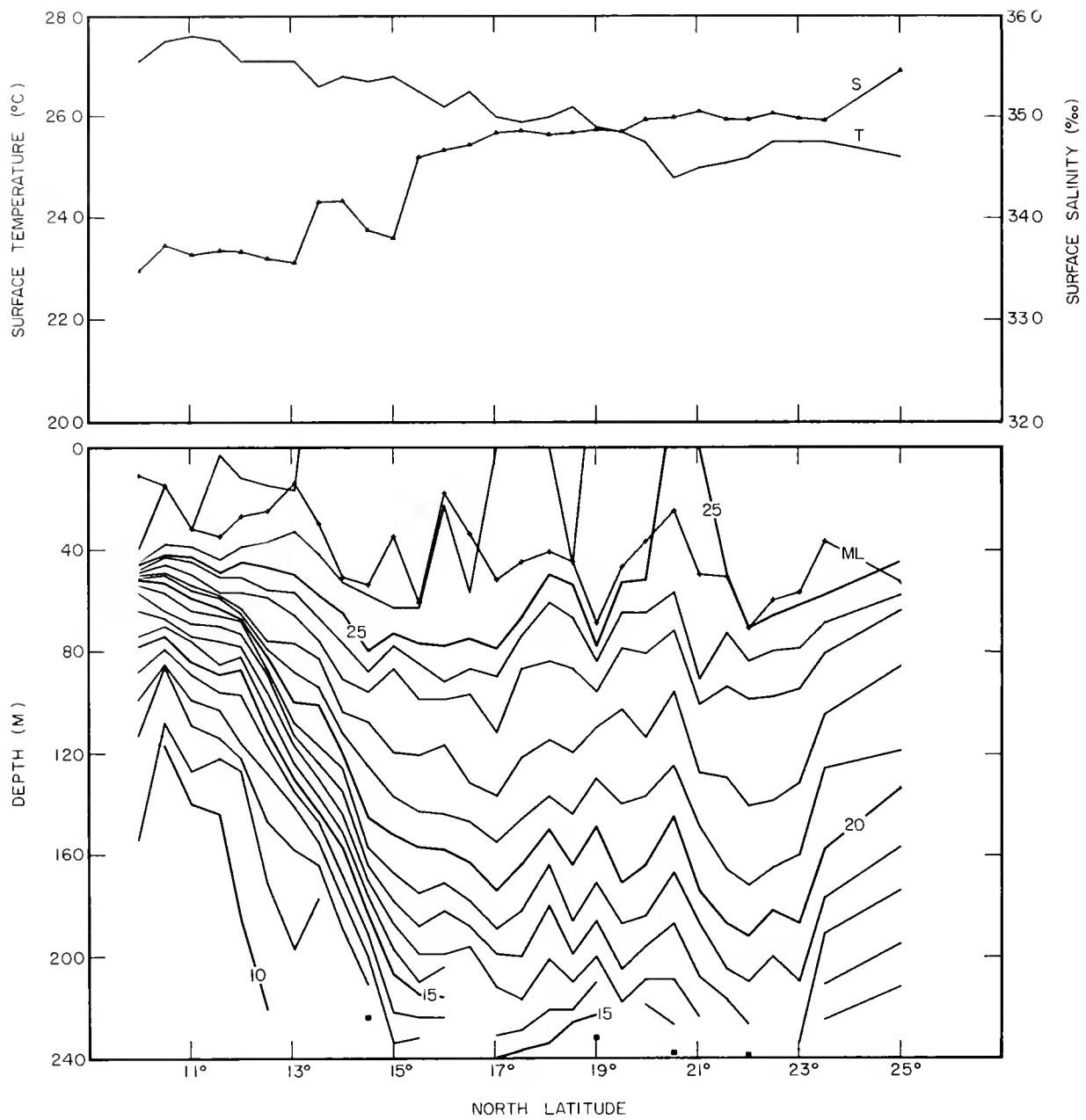


Figure 4.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{0}/oo$) (upper panel) and BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 8 along long. 154° W. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

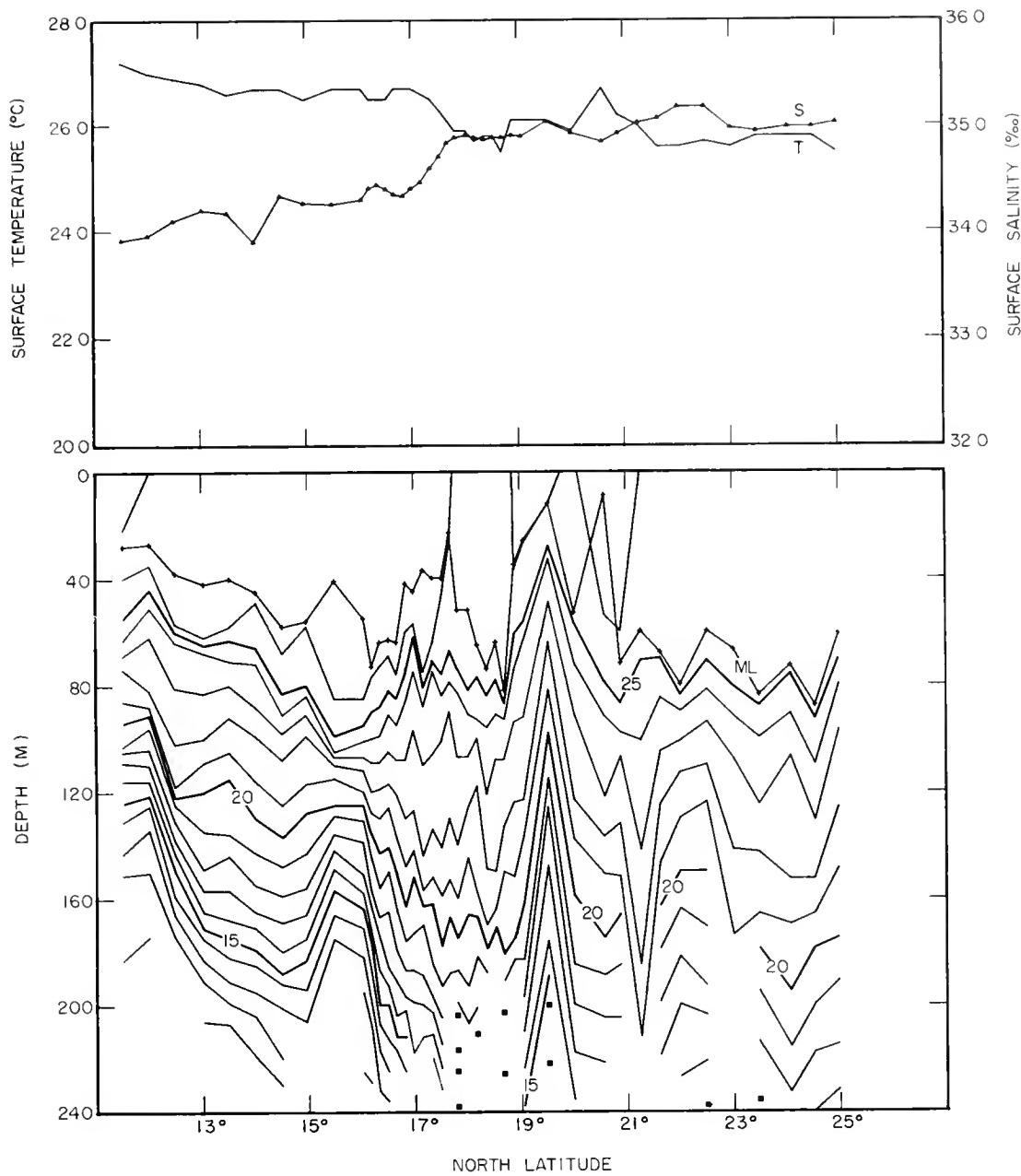


Figure 5.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}/\text{oo}$) (upper panel) and BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 8 along long. 157° W. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

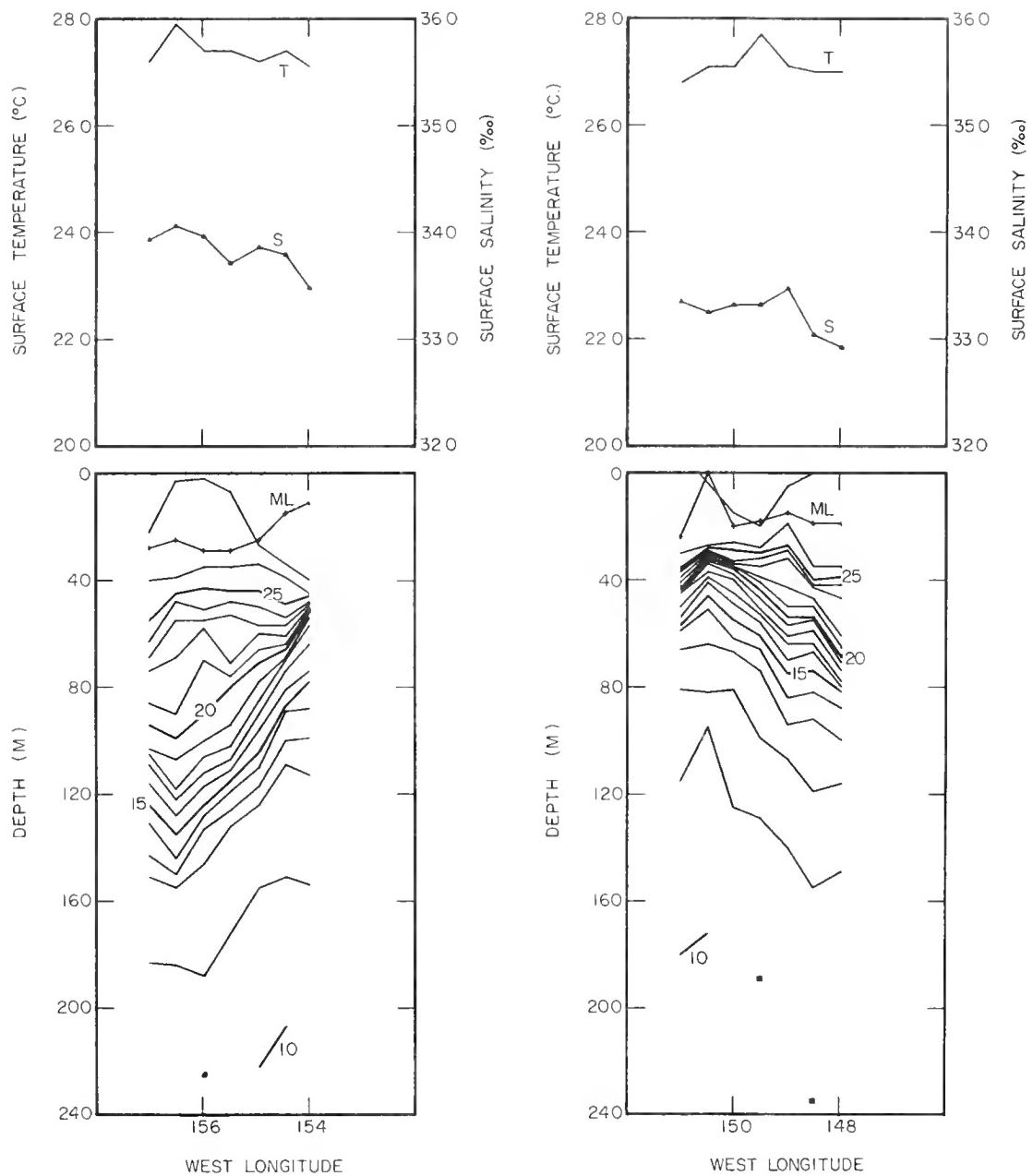


Figure 6.--Surface temperatures ($^{\circ}\text{C}.$) and salinities ($^{\circ}/\text{oo}$) (upper panel) and zonal BT temperature ($^{\circ}\text{C}.$) section (lower panel) for Townsend Cromwell cruise 8 between stations 7 and 7A, 25 and 26. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

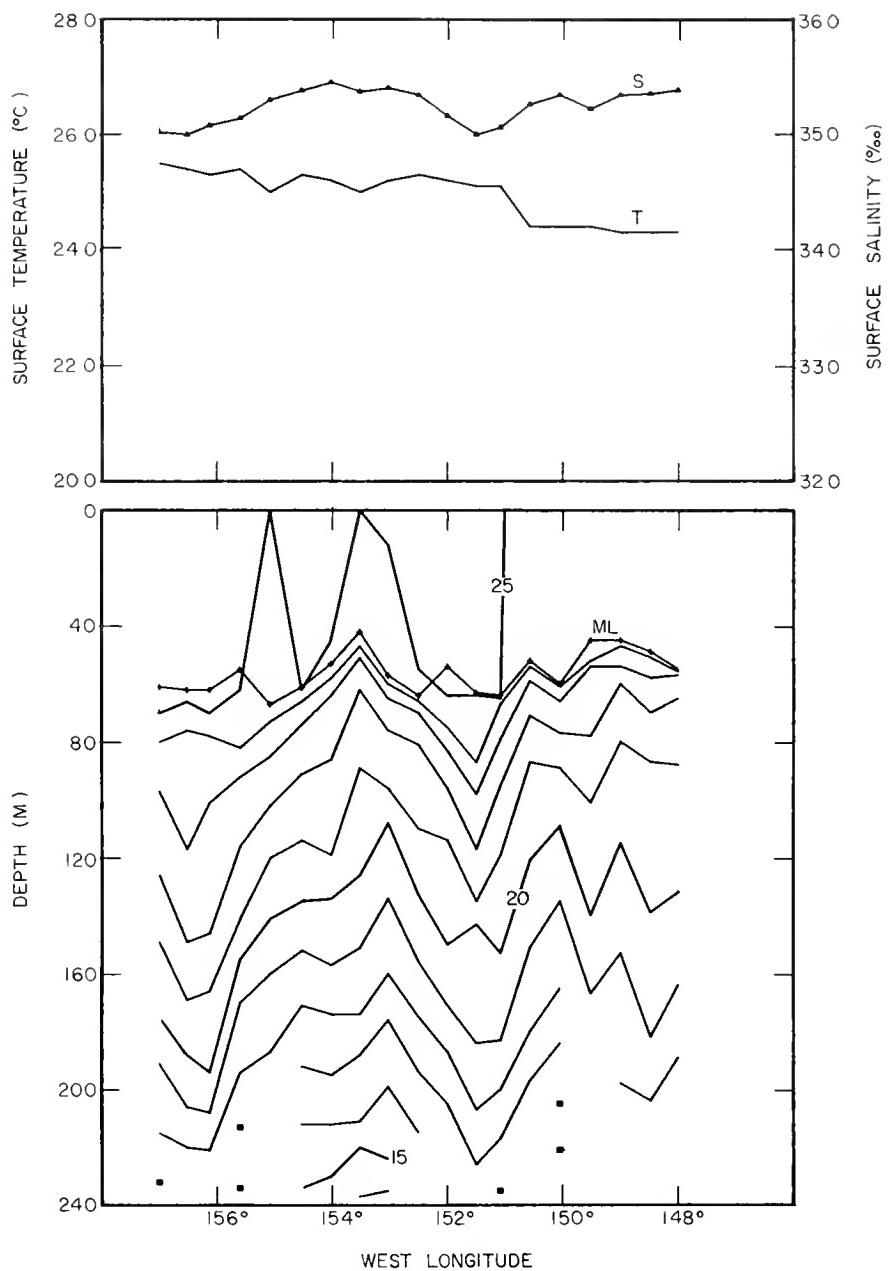


Figure 7.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}$ /oo) (upper panel) and zonal BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 8 between stations 37 and 40. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

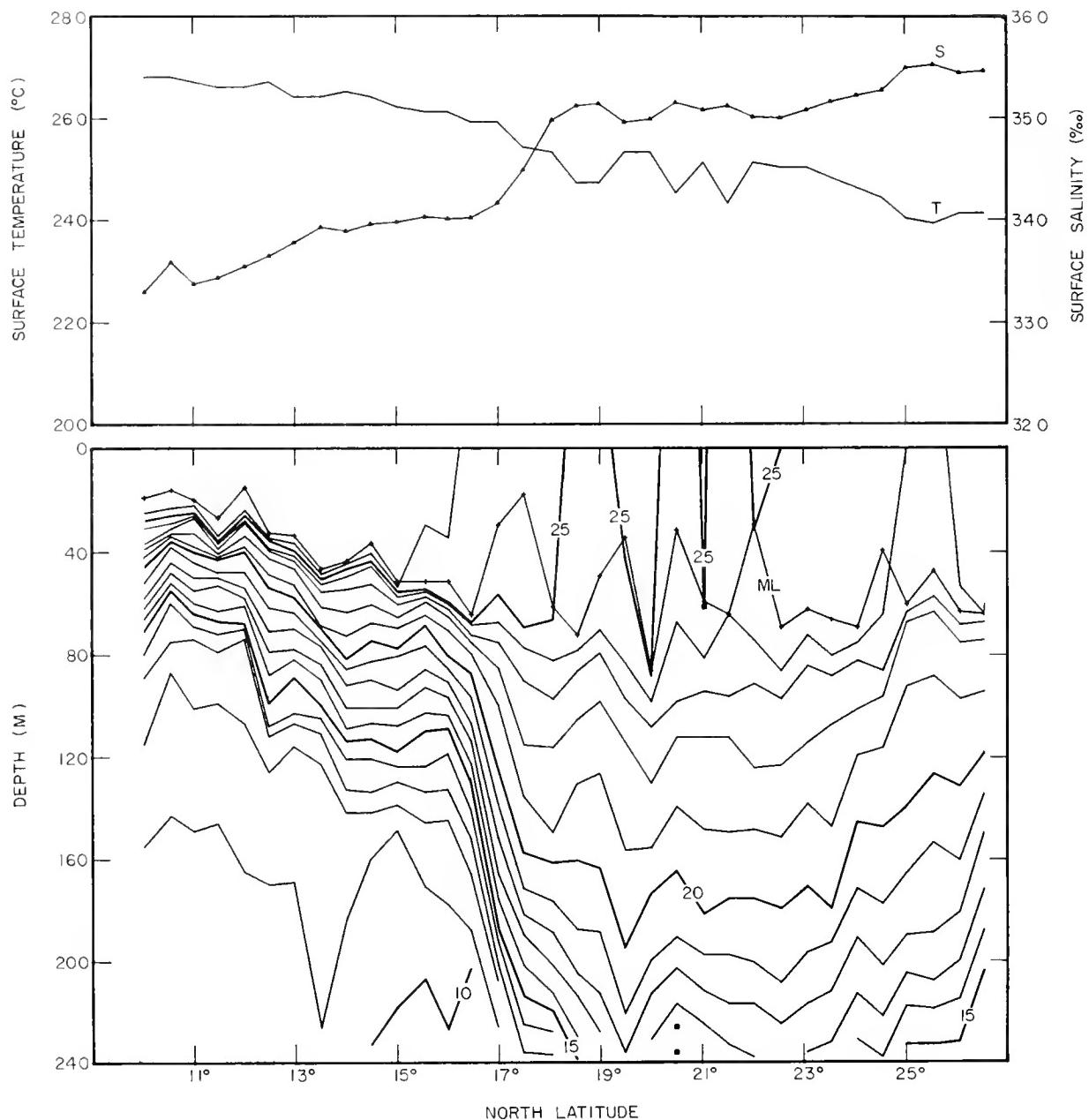


Figure 8.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}/\text{oo}$) (upper panel) and BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 9 along long. 148° W. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

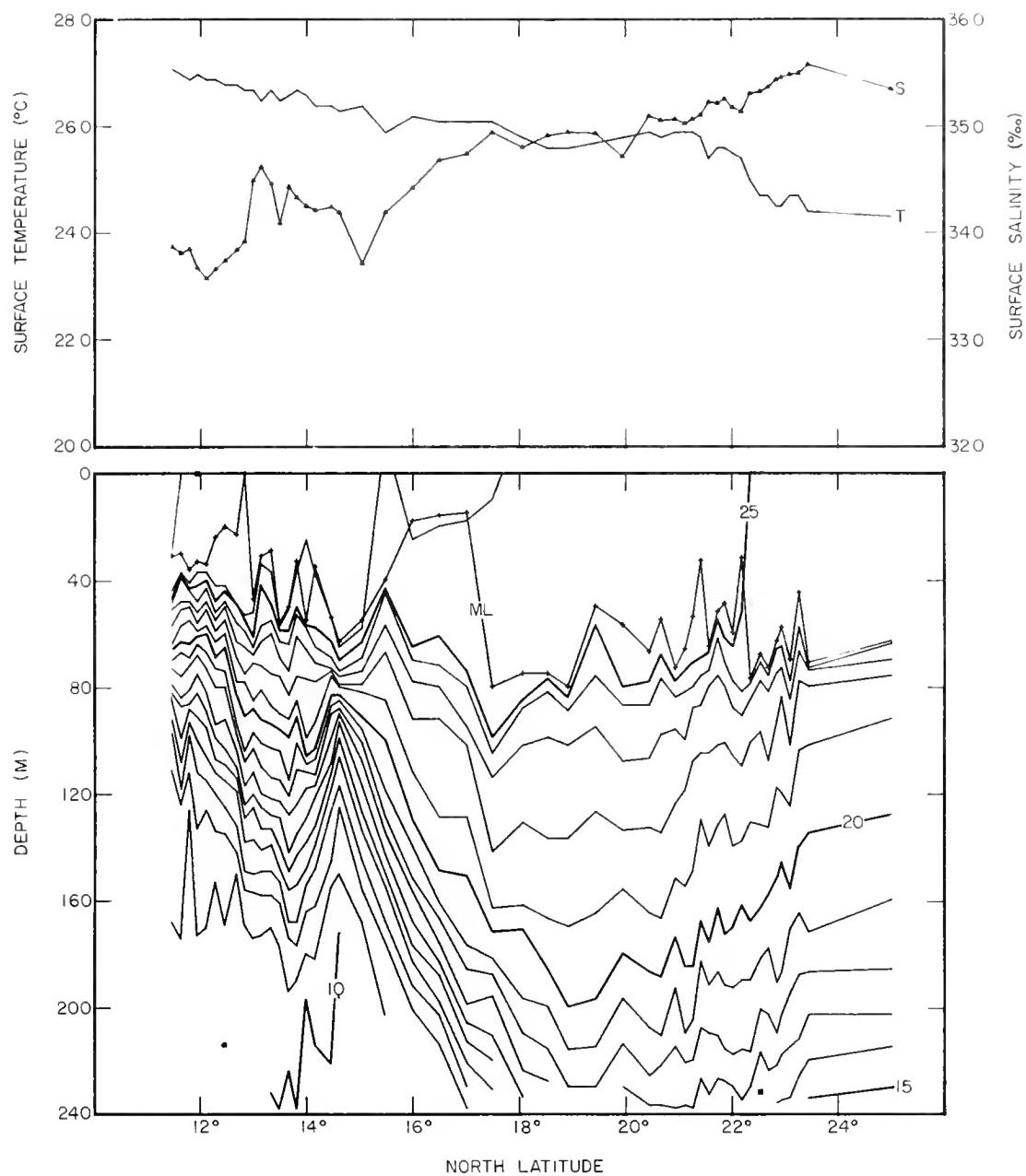


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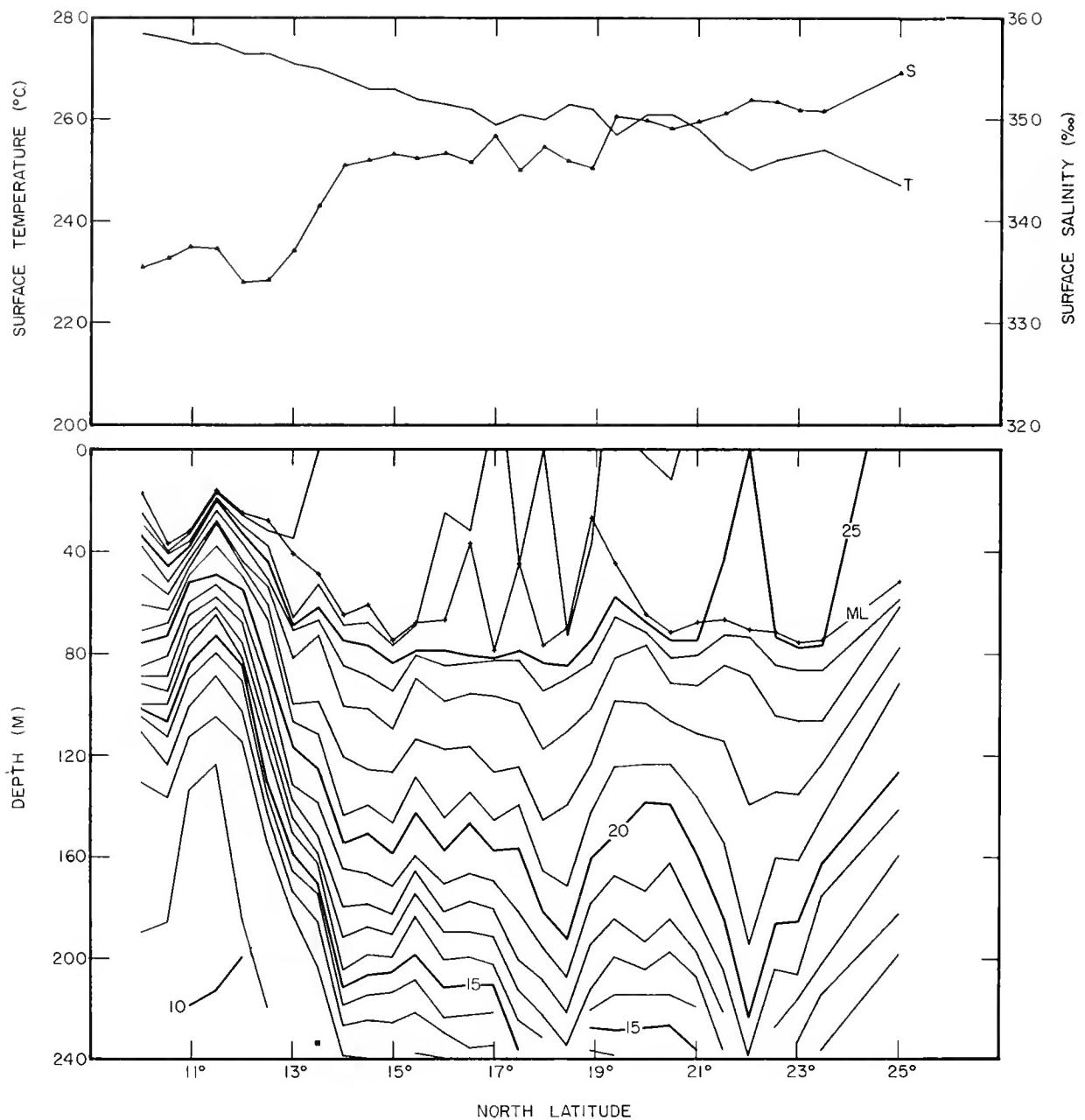


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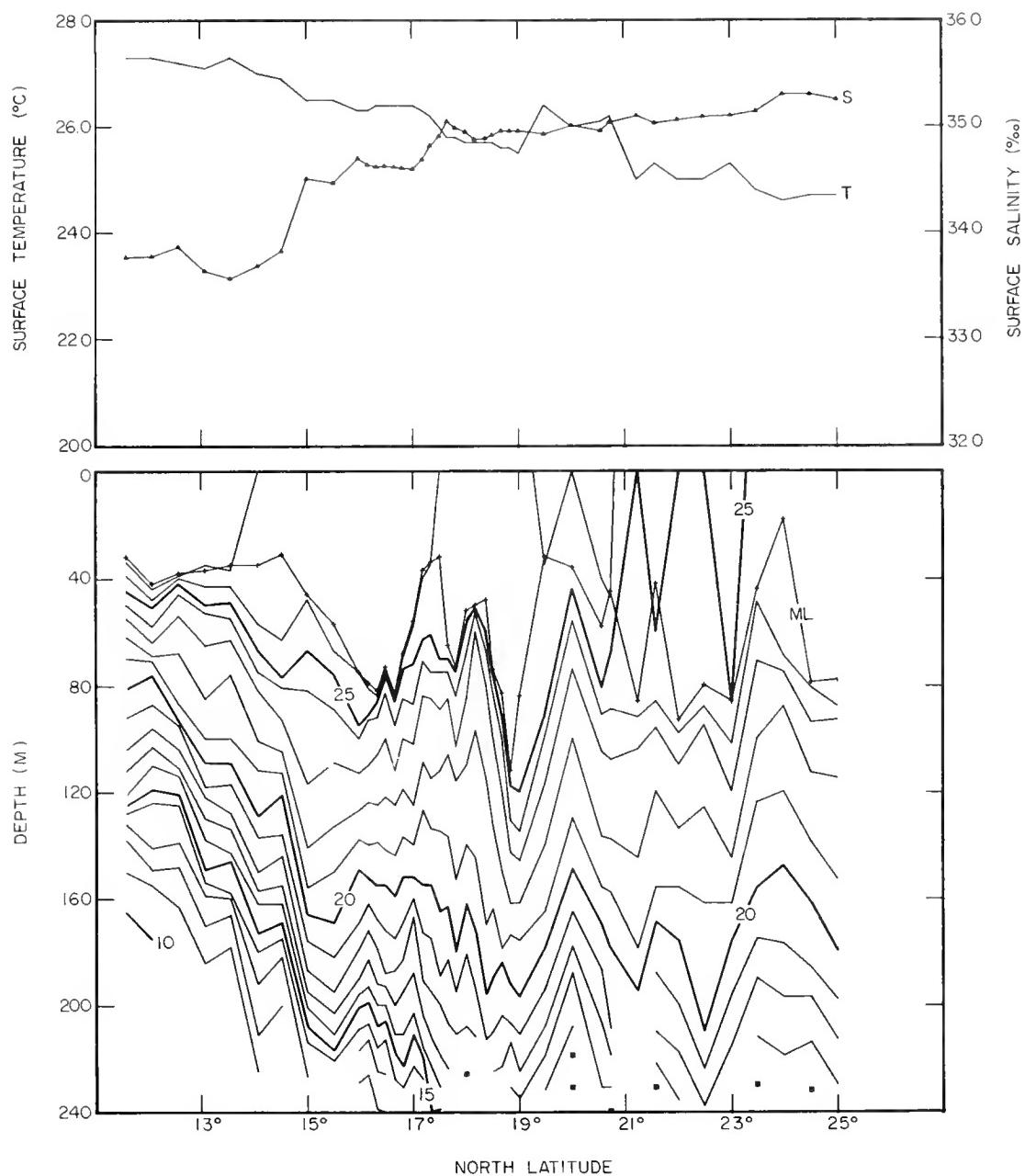


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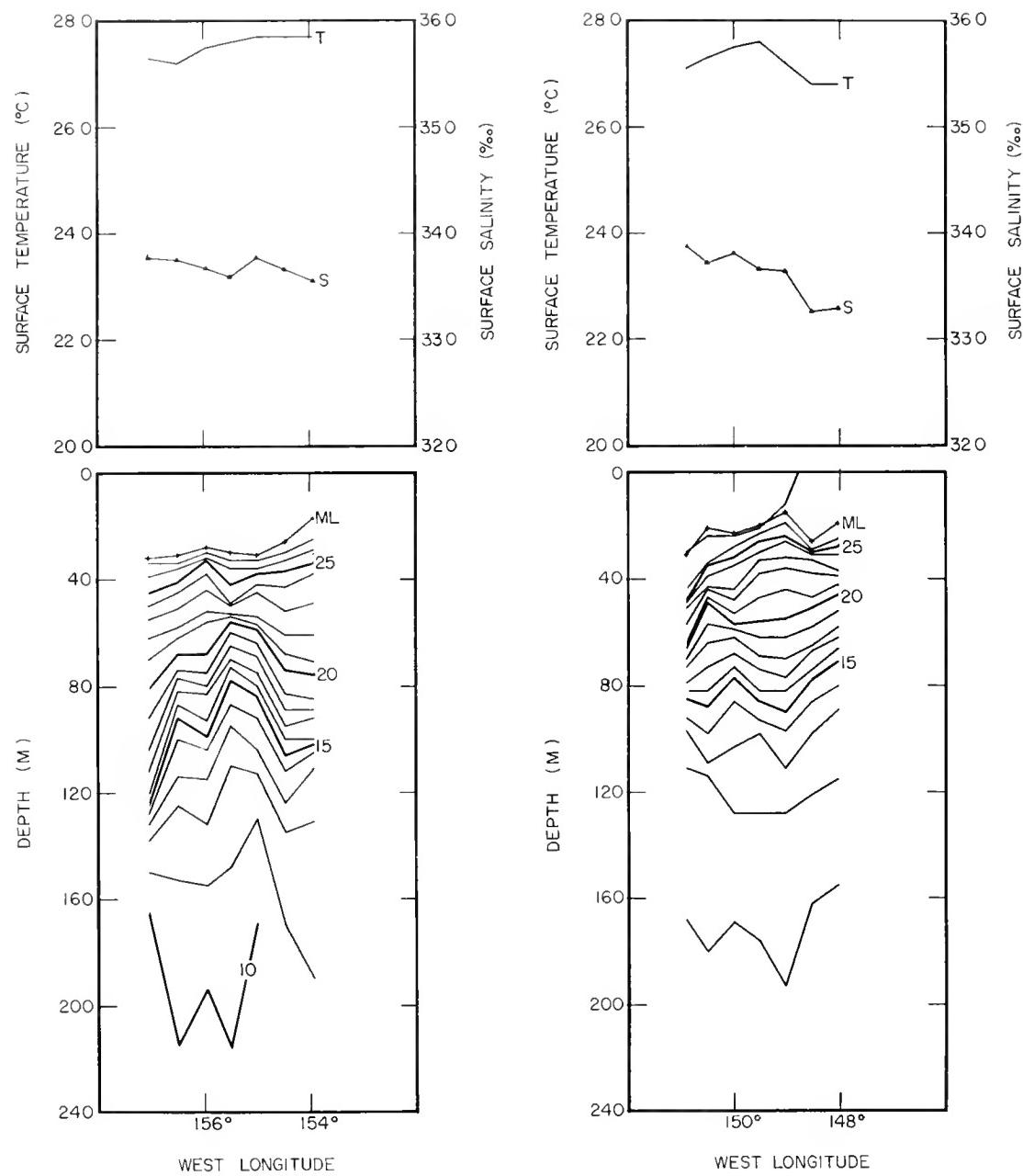


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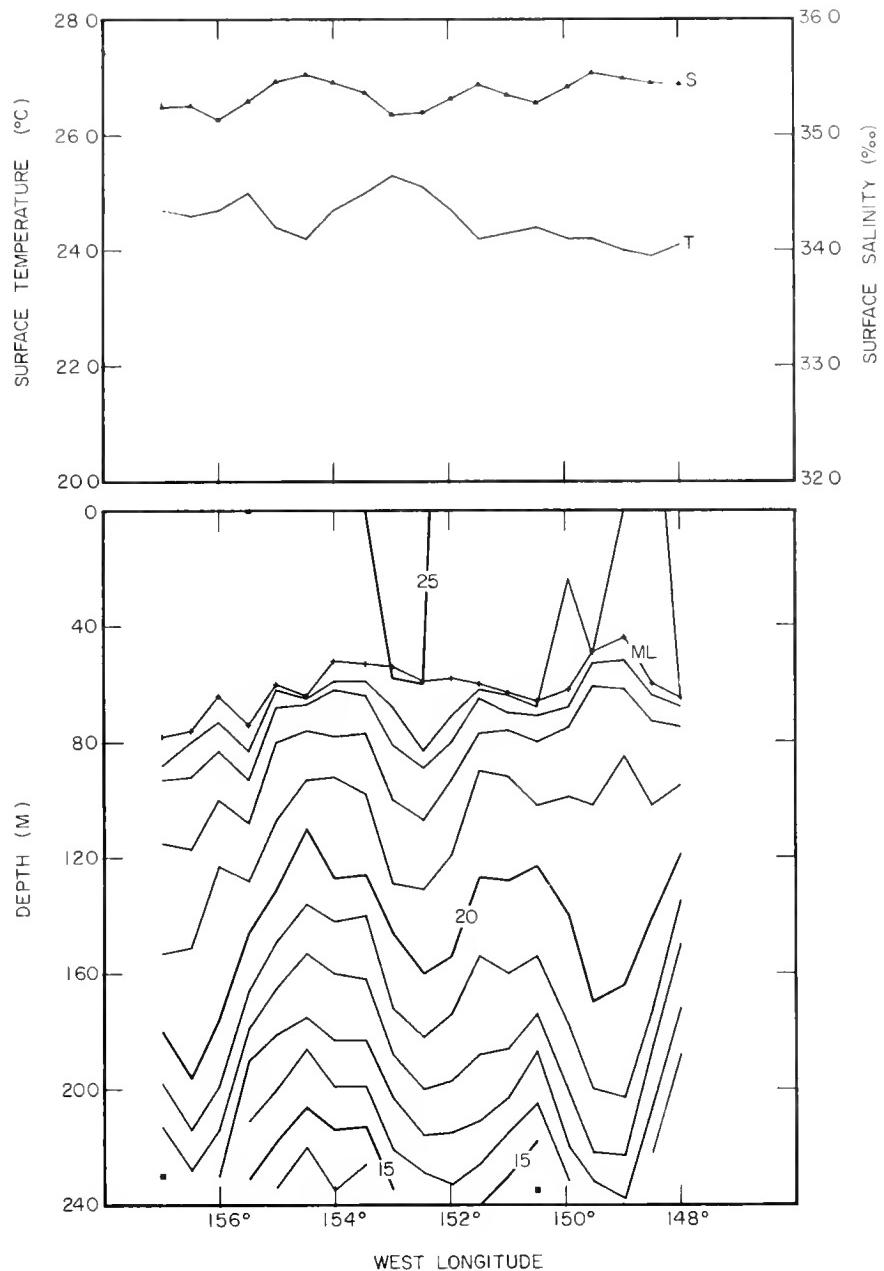


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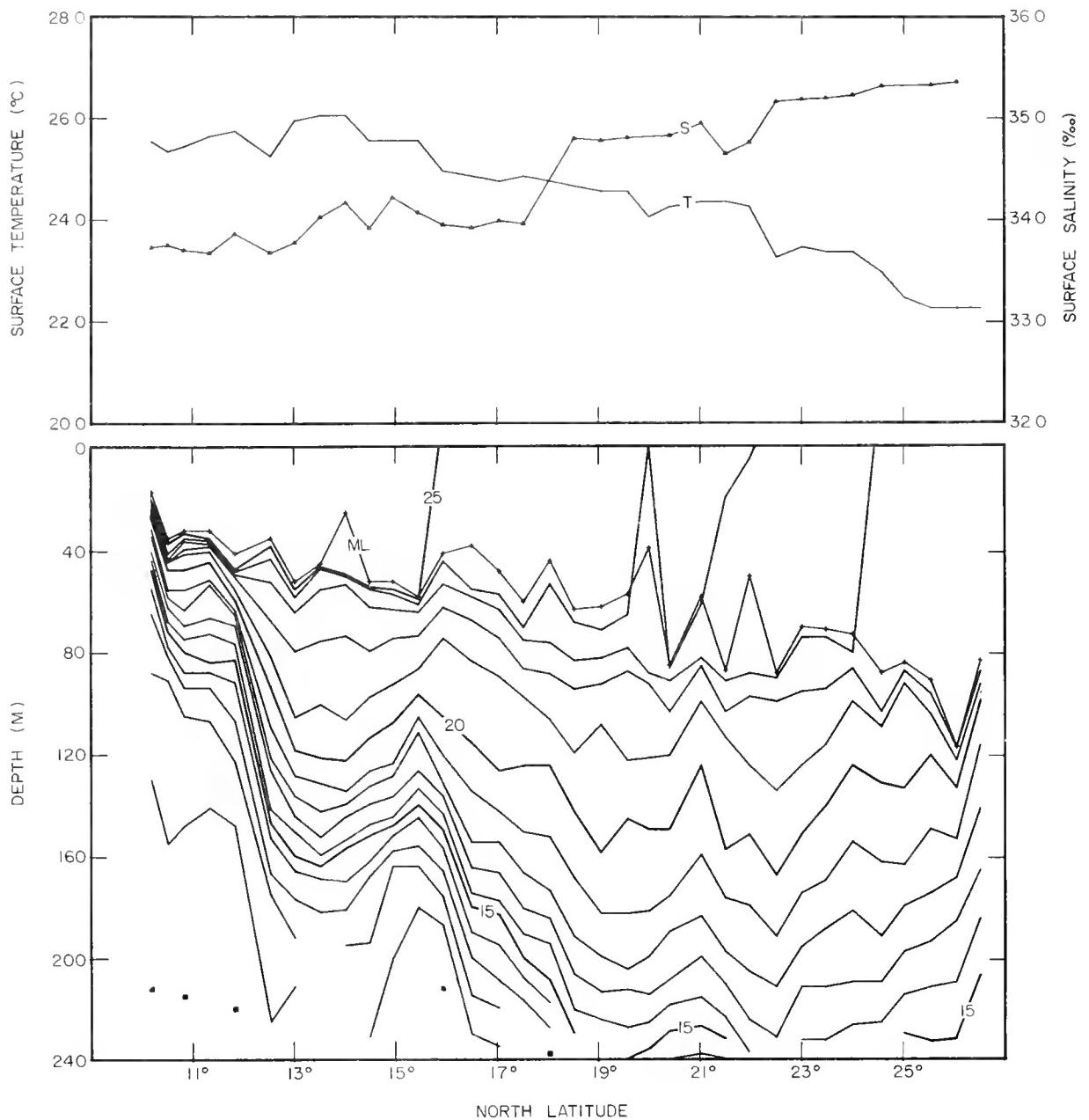


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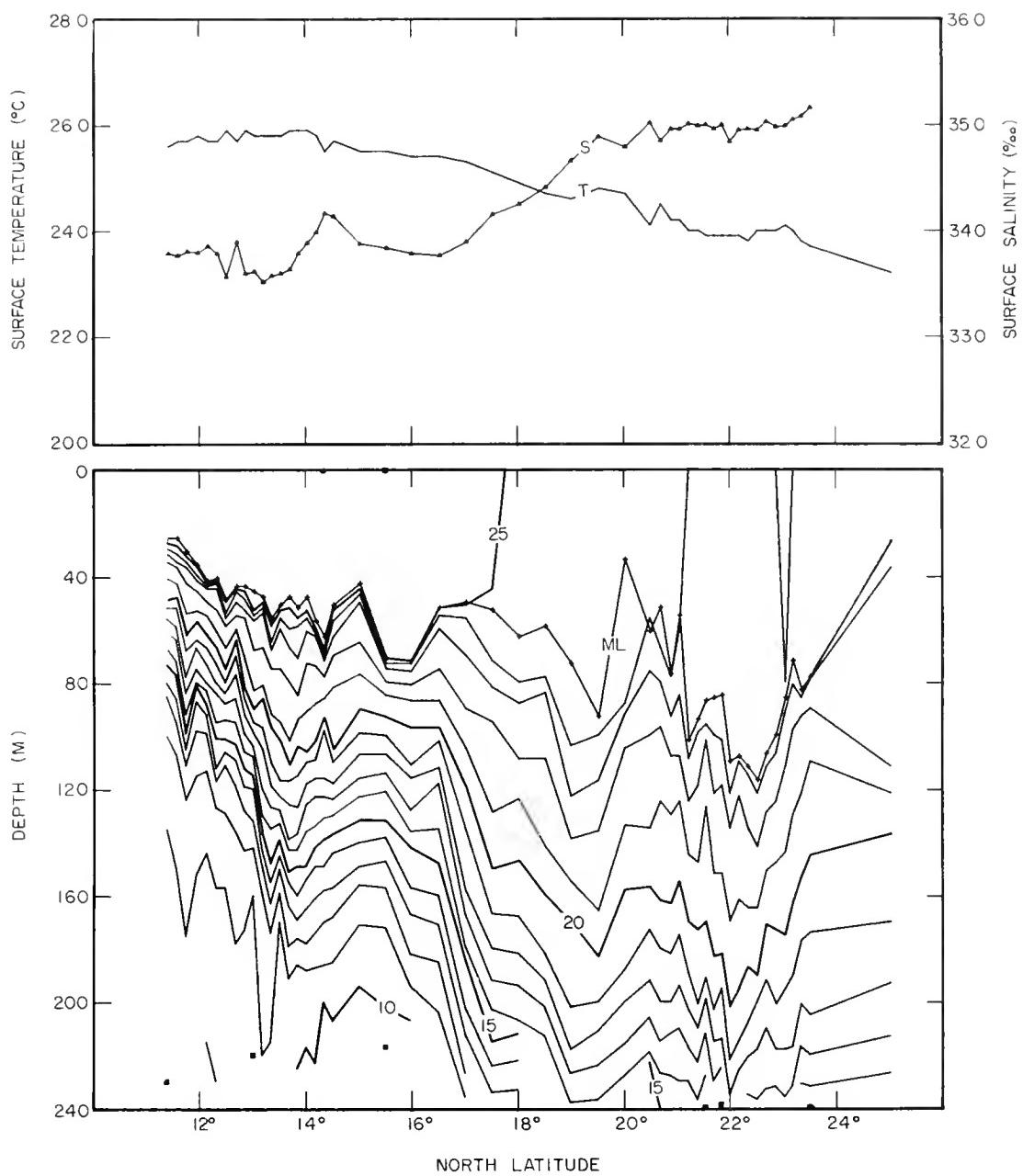


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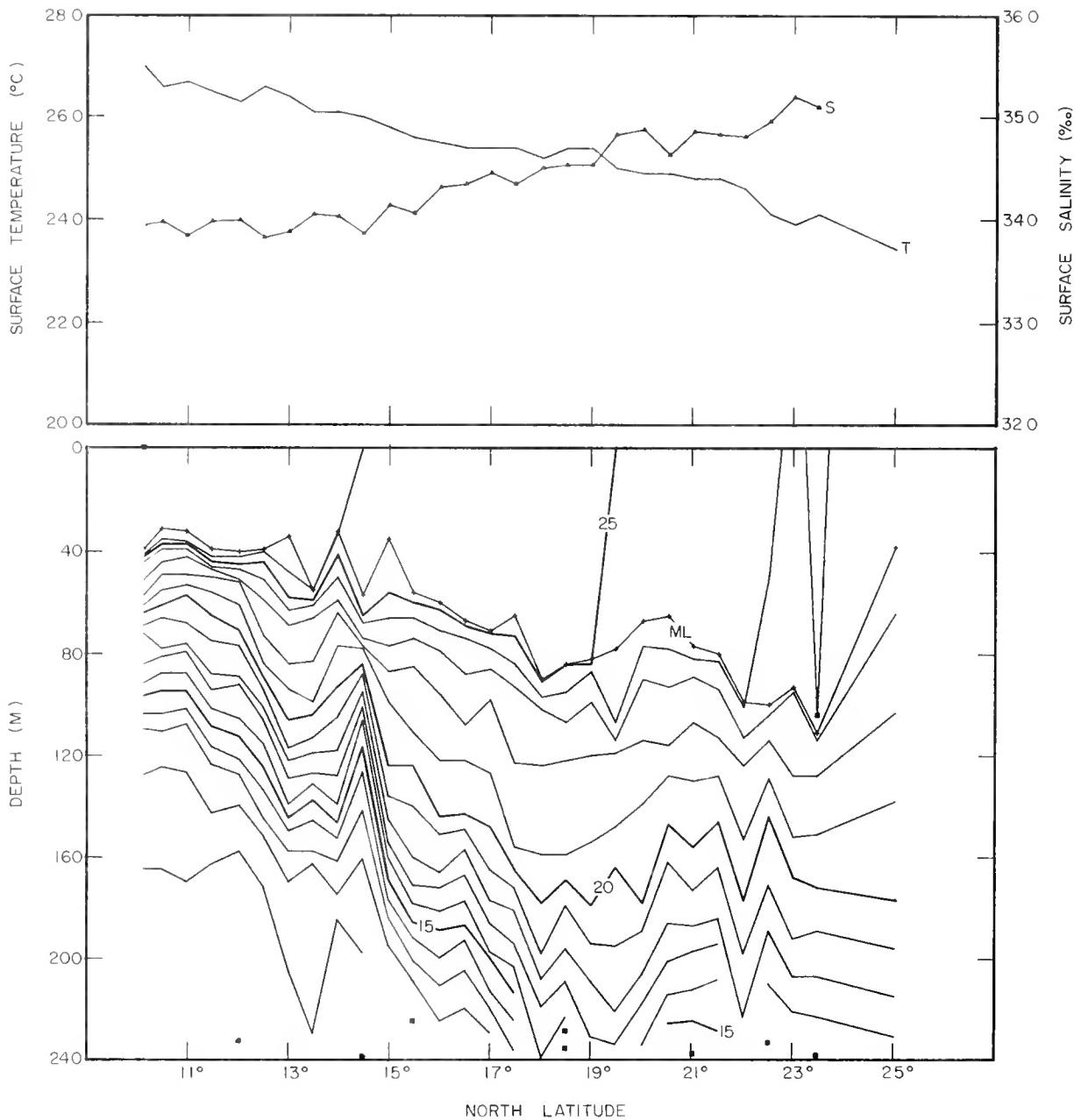


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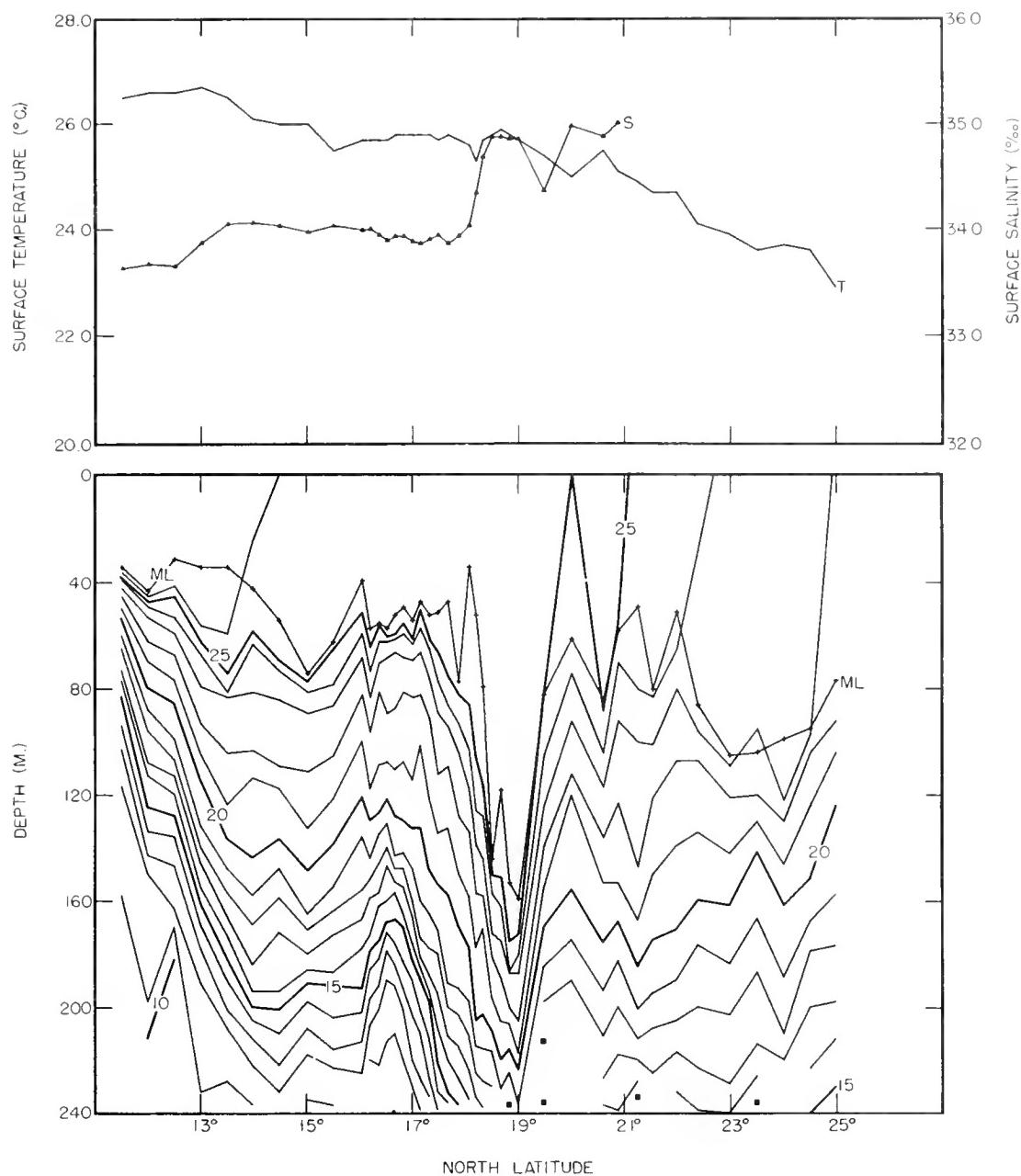


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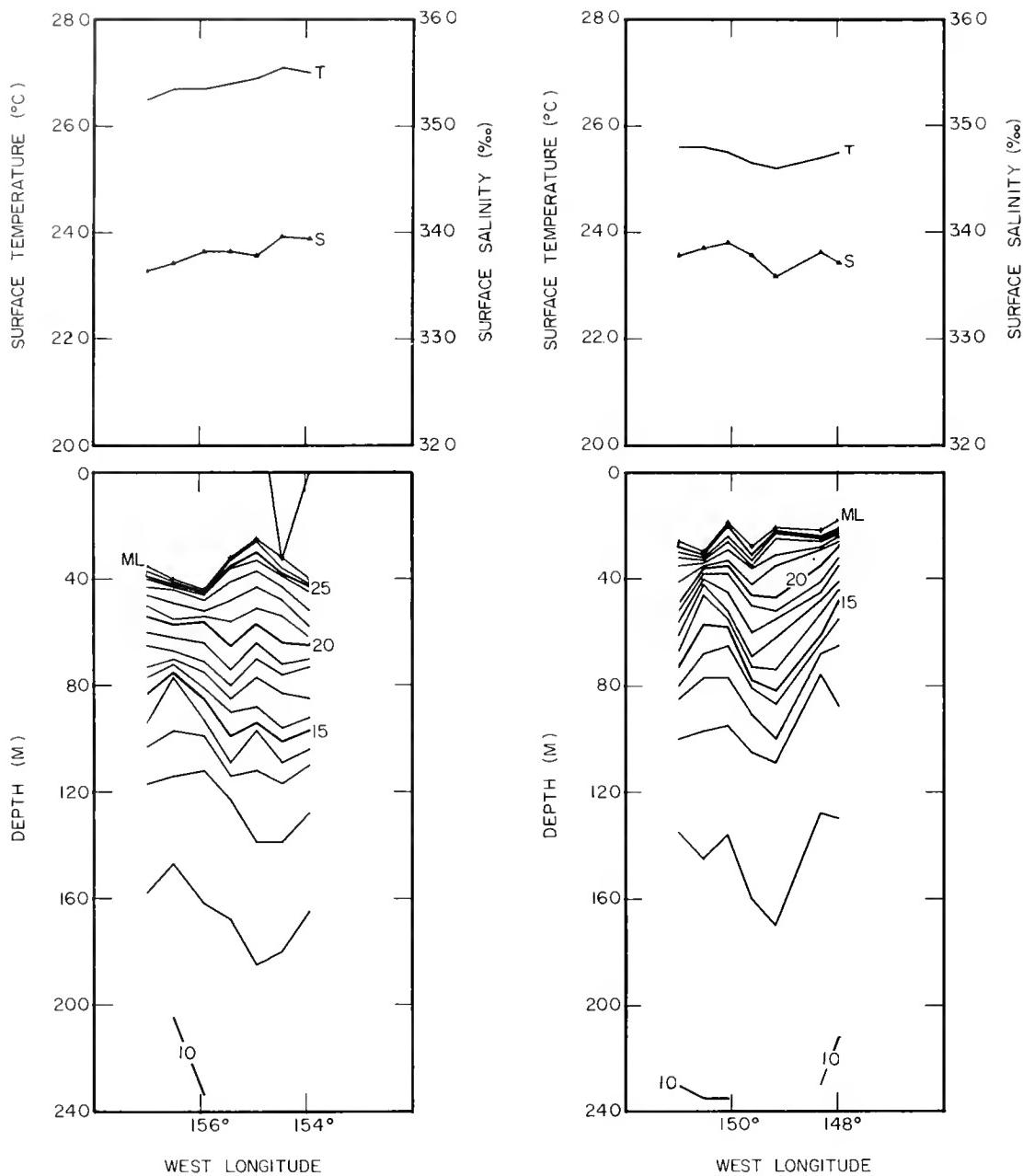


Figure 18.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}$ /oo) (upper panel) and zonal BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 10 between stations 7 and 7A, 25 and 26. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

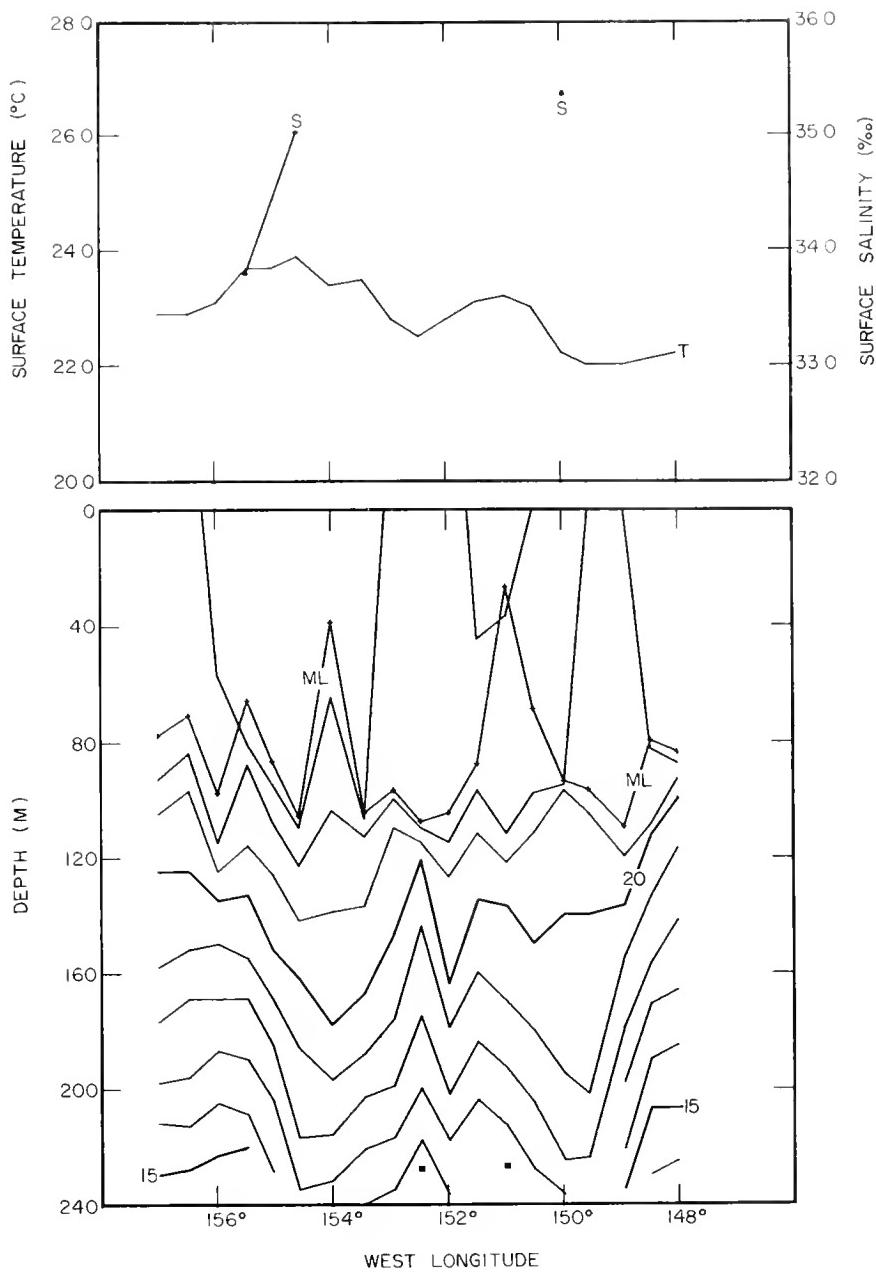


Figure 19.--Surface temperatures ($^{\circ}$ C.) and salinities ($^{\circ}/oo$) (upper panel) and zonal BT temperature ($^{\circ}$ C.) section (lower panel) for Townsend Cromwell cruise 10 between stations 37 and 40. The bottom of the ML (mixed layer) is shown by the starred line in the lower panel.

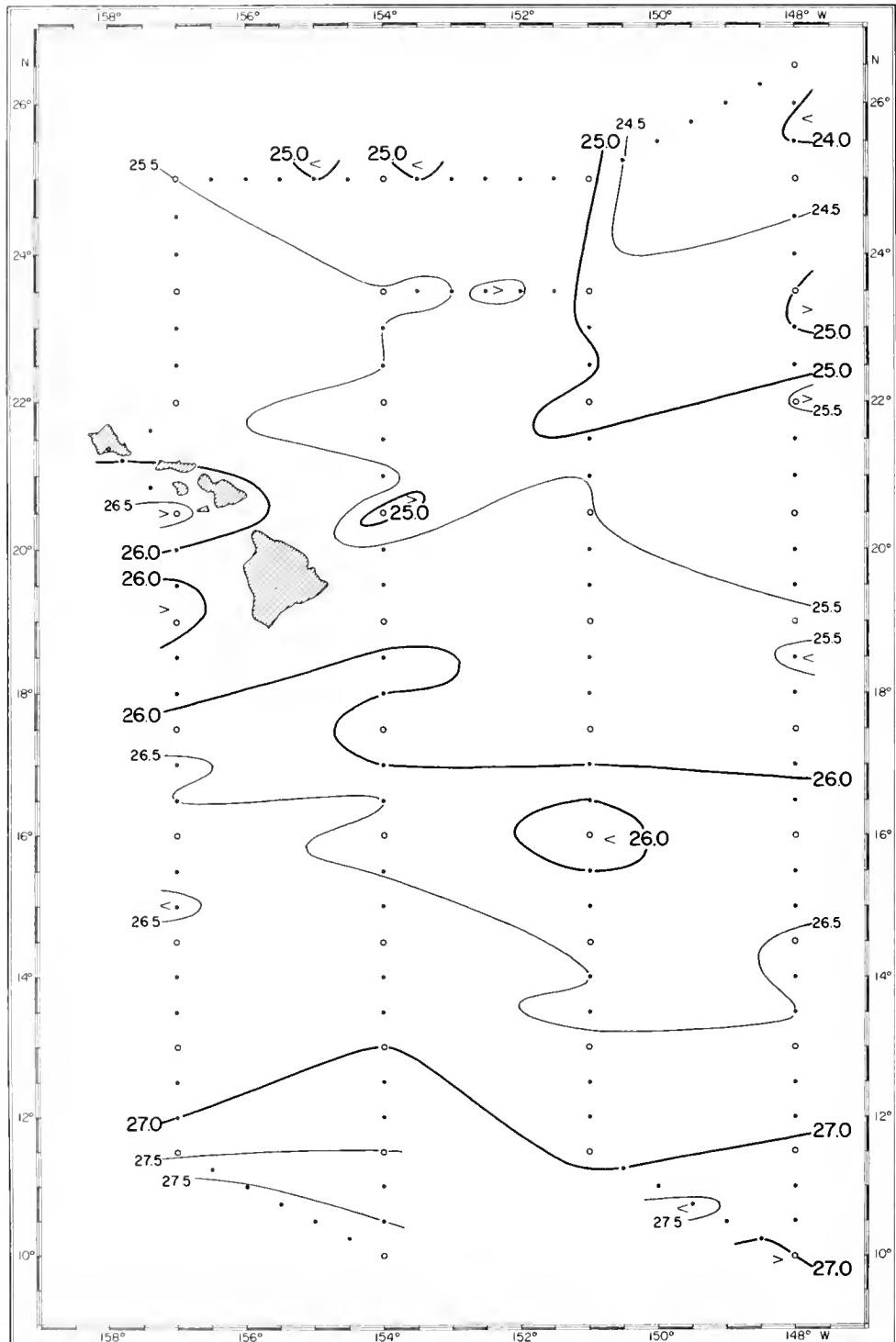


Figure 20.--Surface temperature distribution ($^{\circ}$ C.) based on bucket temperature at each BT cast for Townsend Cromwell cruise 8.

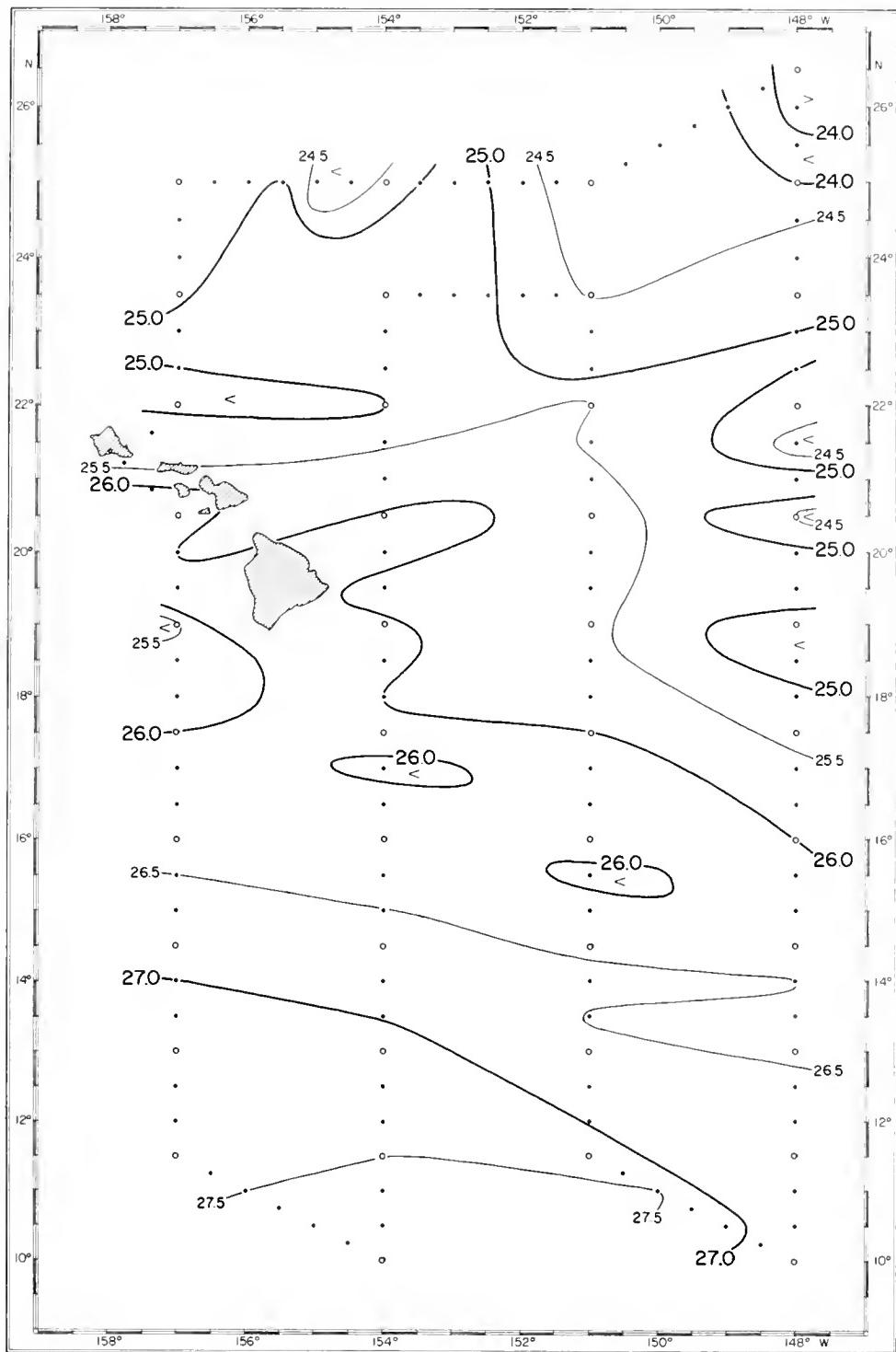


Figure 21.--Surface temperature distribution ($^{\circ}$ C.) based on bucket temperature at each BT cast for Townsend Cromwell cruise 9.

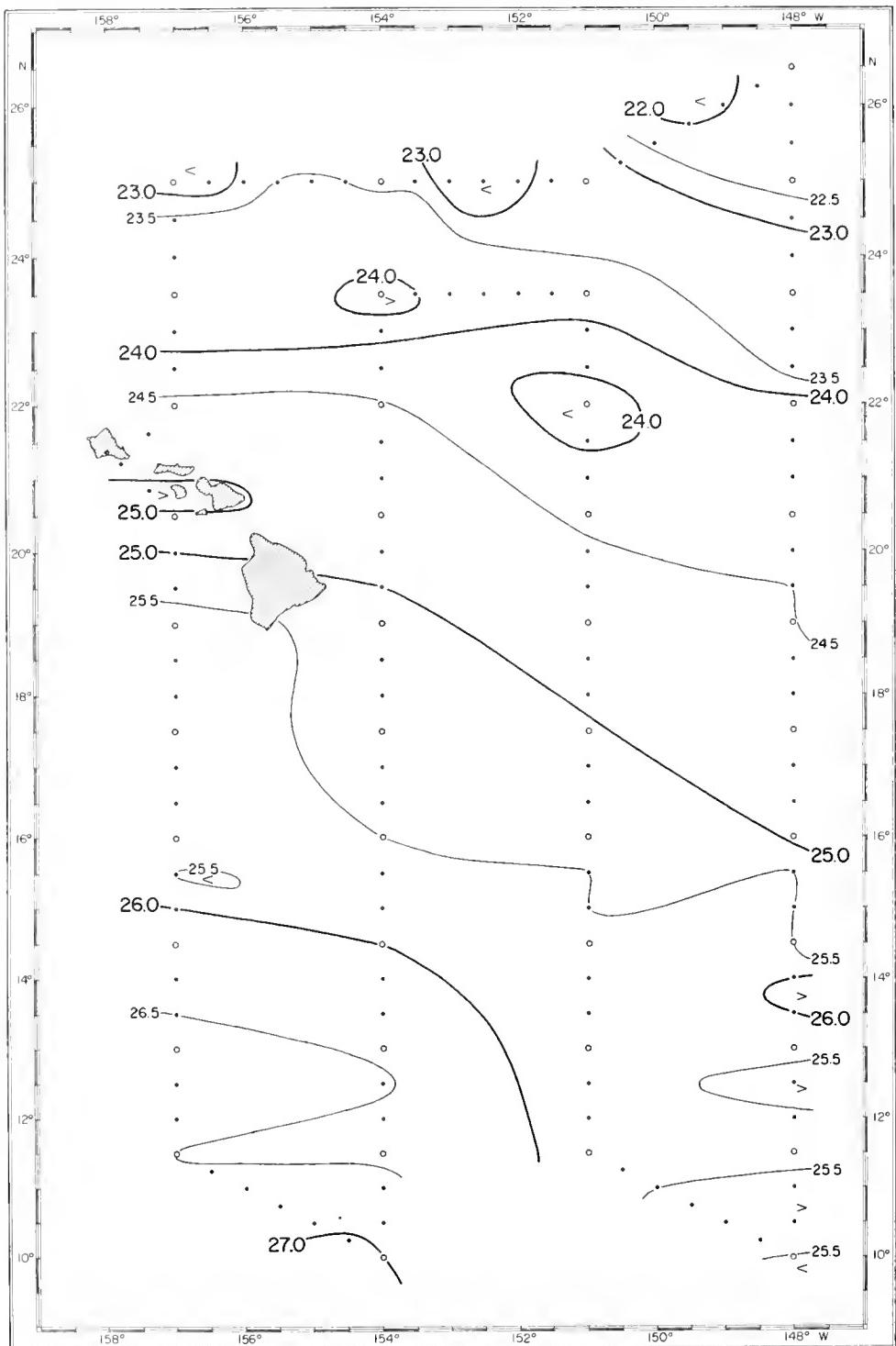


Figure 22.--Surface temperature distribution ($^{\circ}$ C.) based on bucket temperature at each BT cast for Townsend Cromwell cruise 10.

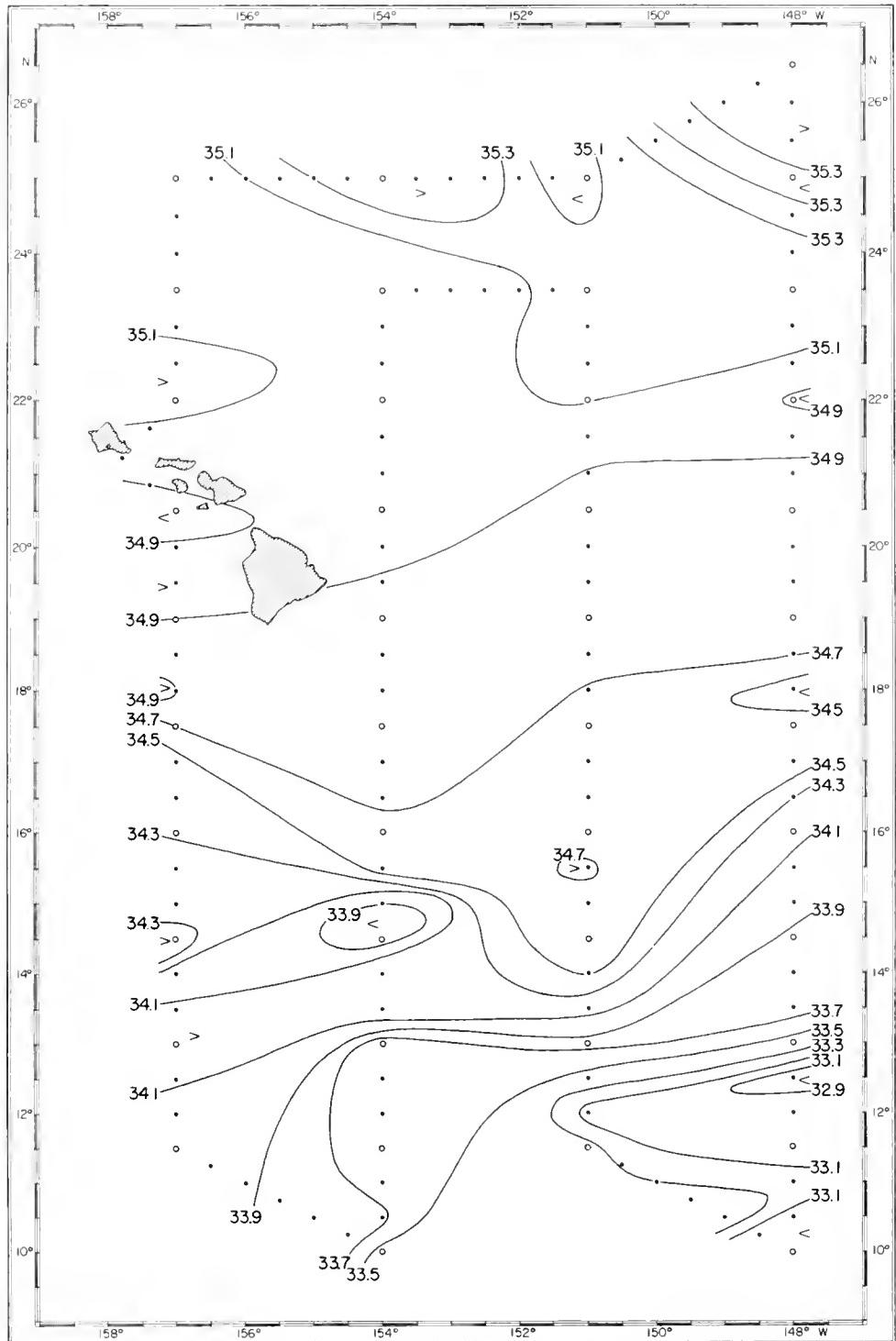


Figure 23.--Surface salinity distribution ($^{\circ}/oo$) from bucket salinity samples at each BT cast for Townsend Cromwell cruise 8.

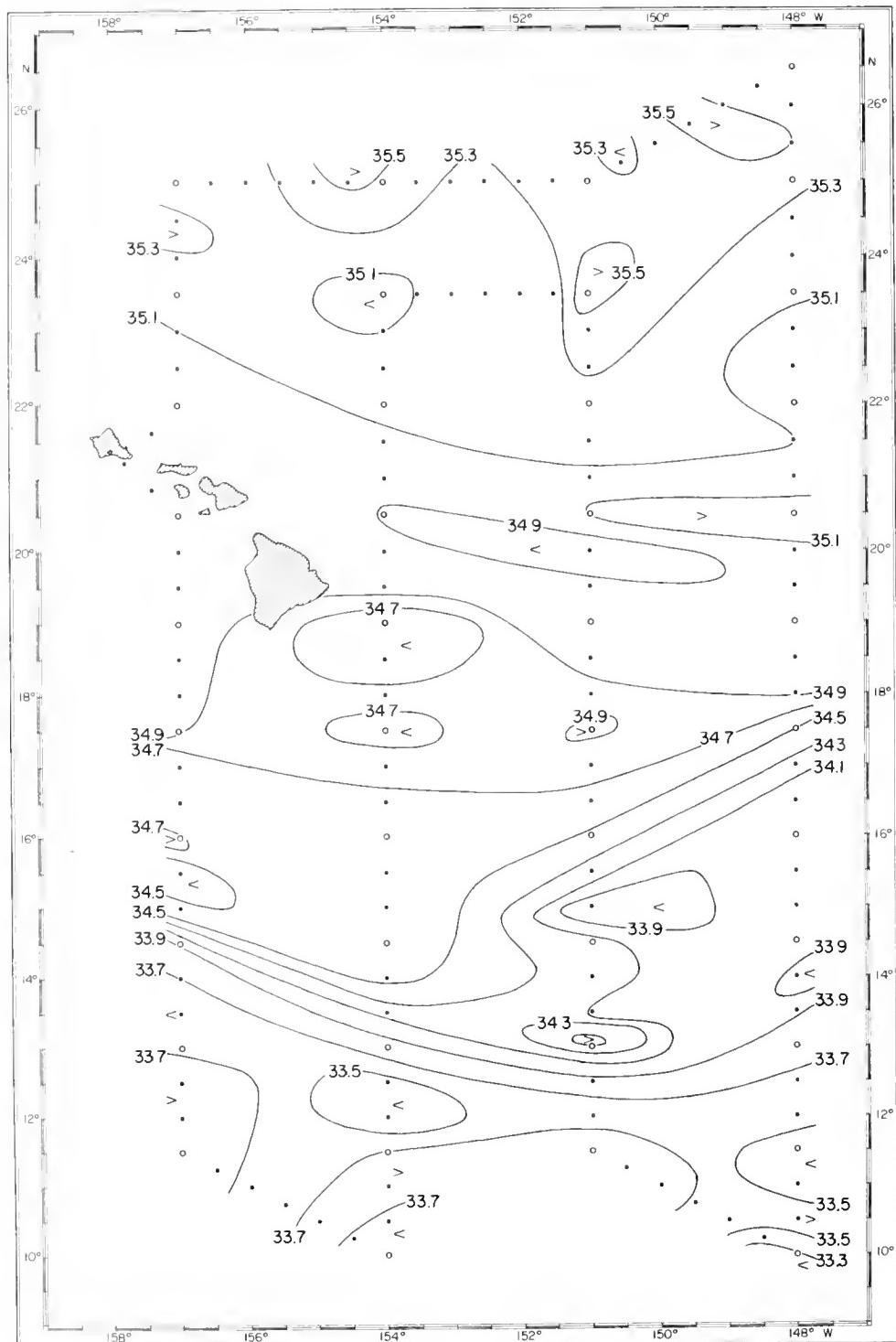


Figure 24.--Surface salinity distribution ($^{\circ}/\text{oo}$) from bucket salinity samples at each BT cast for Townsend Cromwell cruise 9.

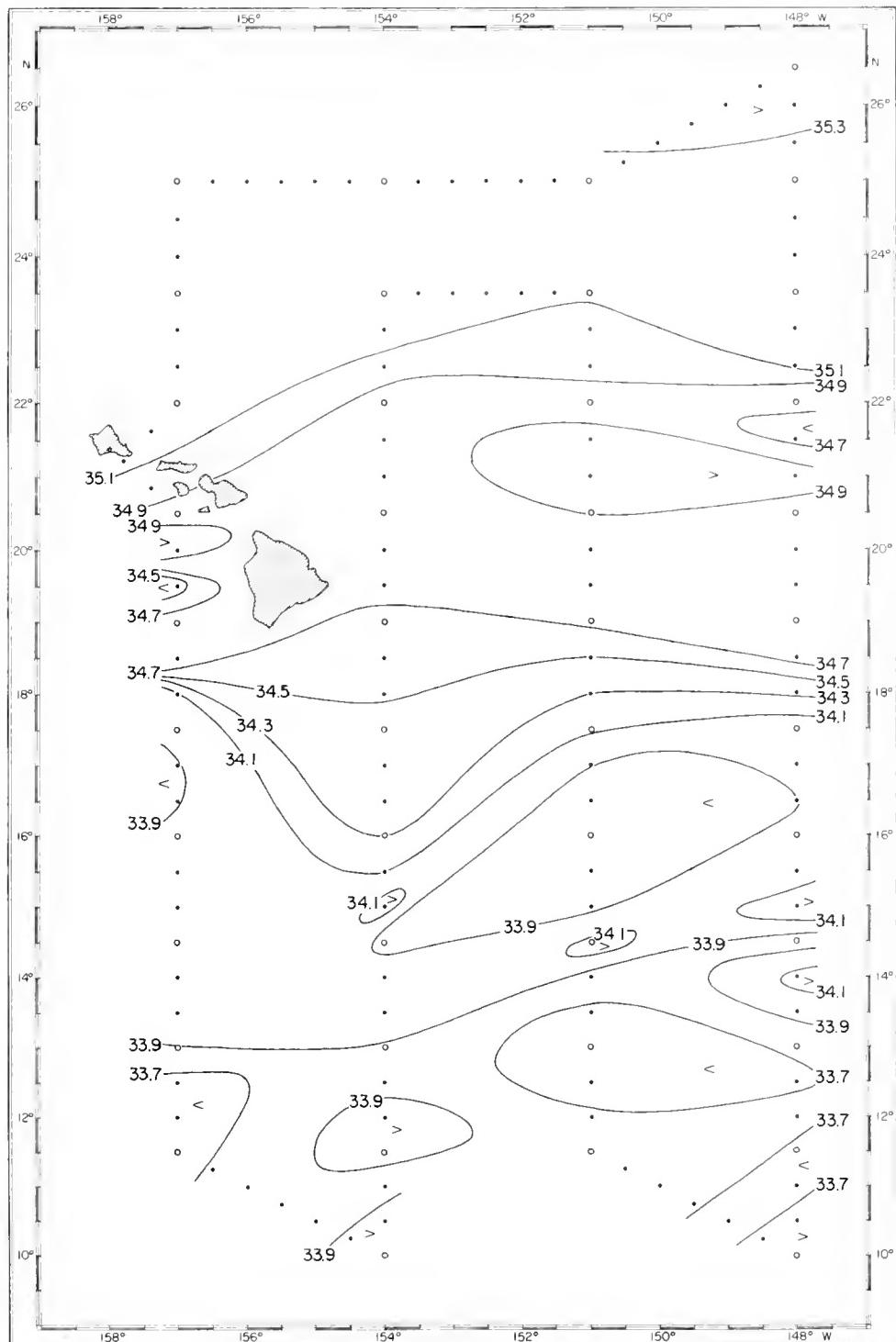


Figure 25.--Surface salinity distribution ($^{\circ}/oo$) from bucket salinity samples at each BT cast for Townsend Cromwell cruise 10.

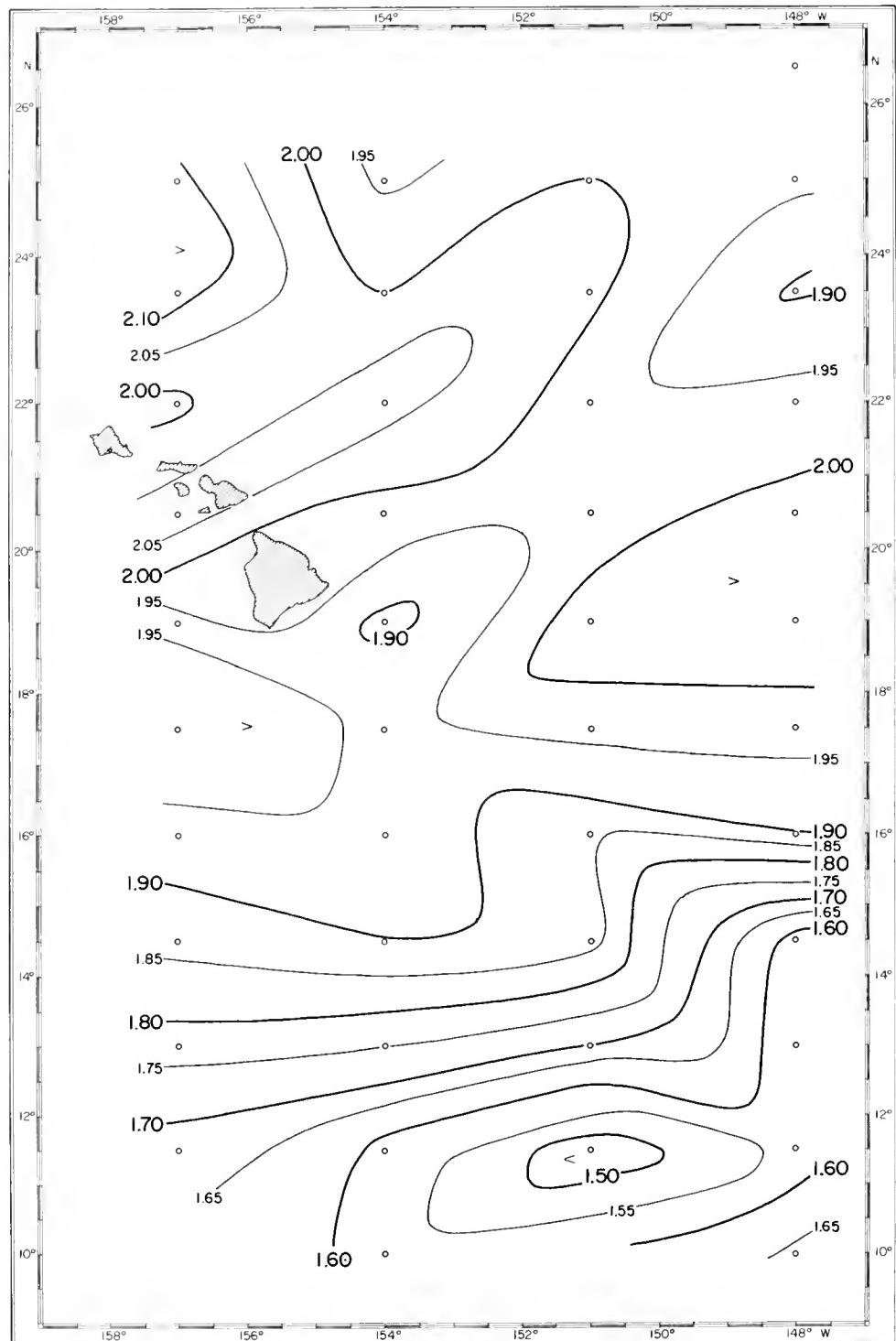
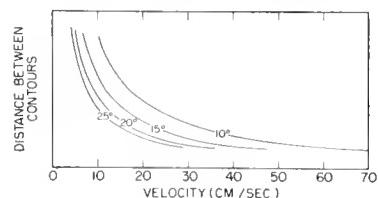


Figure 26.--Dynamic topography (dynamic meters) relative to 1,200 m. for Townsend Cromwell cruise 8.



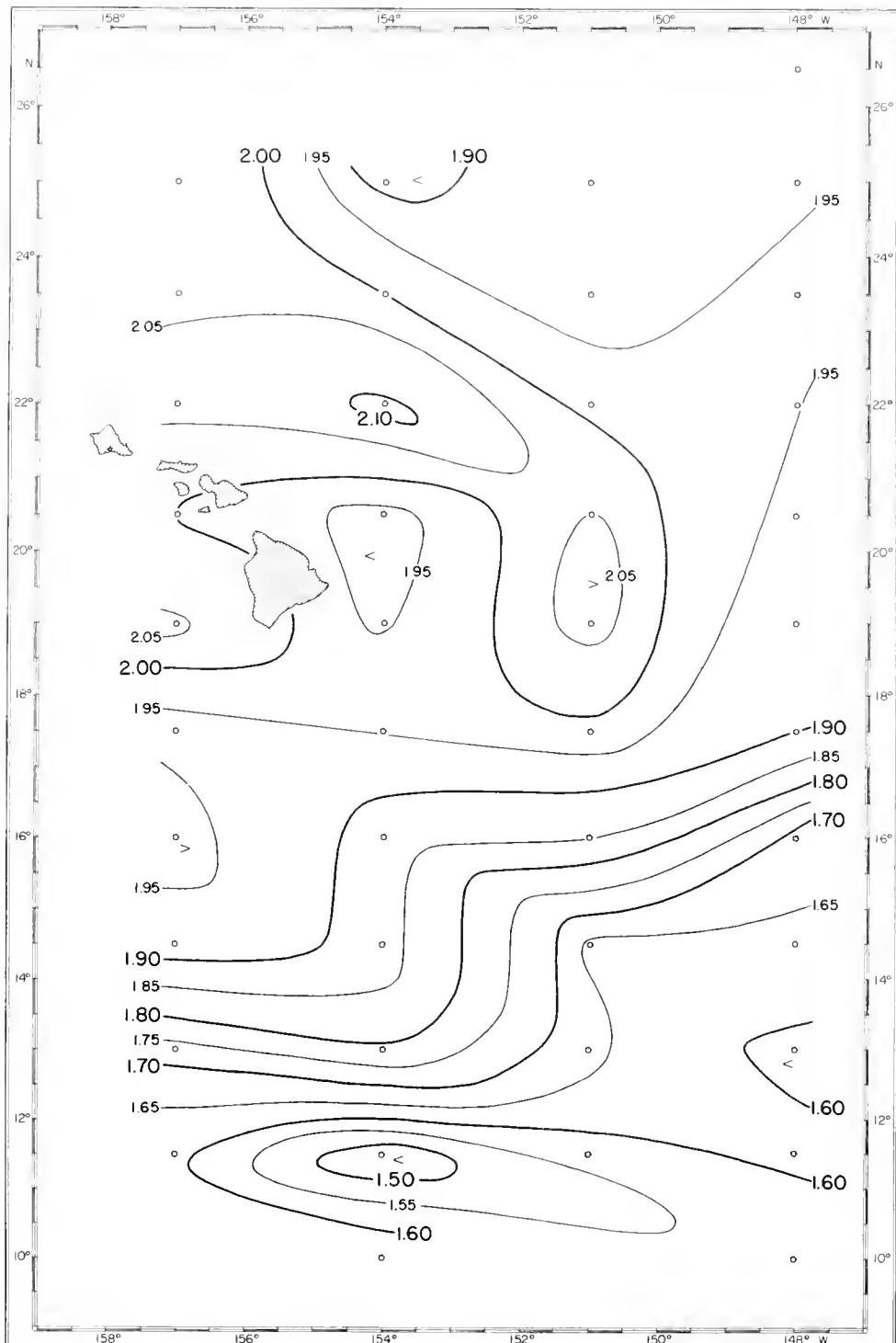
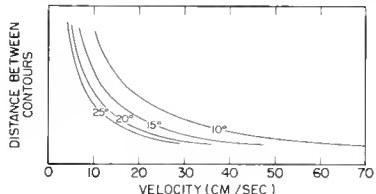


Figure 27.--Dynamic topography (dynamic meters) relative to 1,200 m. for Townsend Cromwell cruise 9.



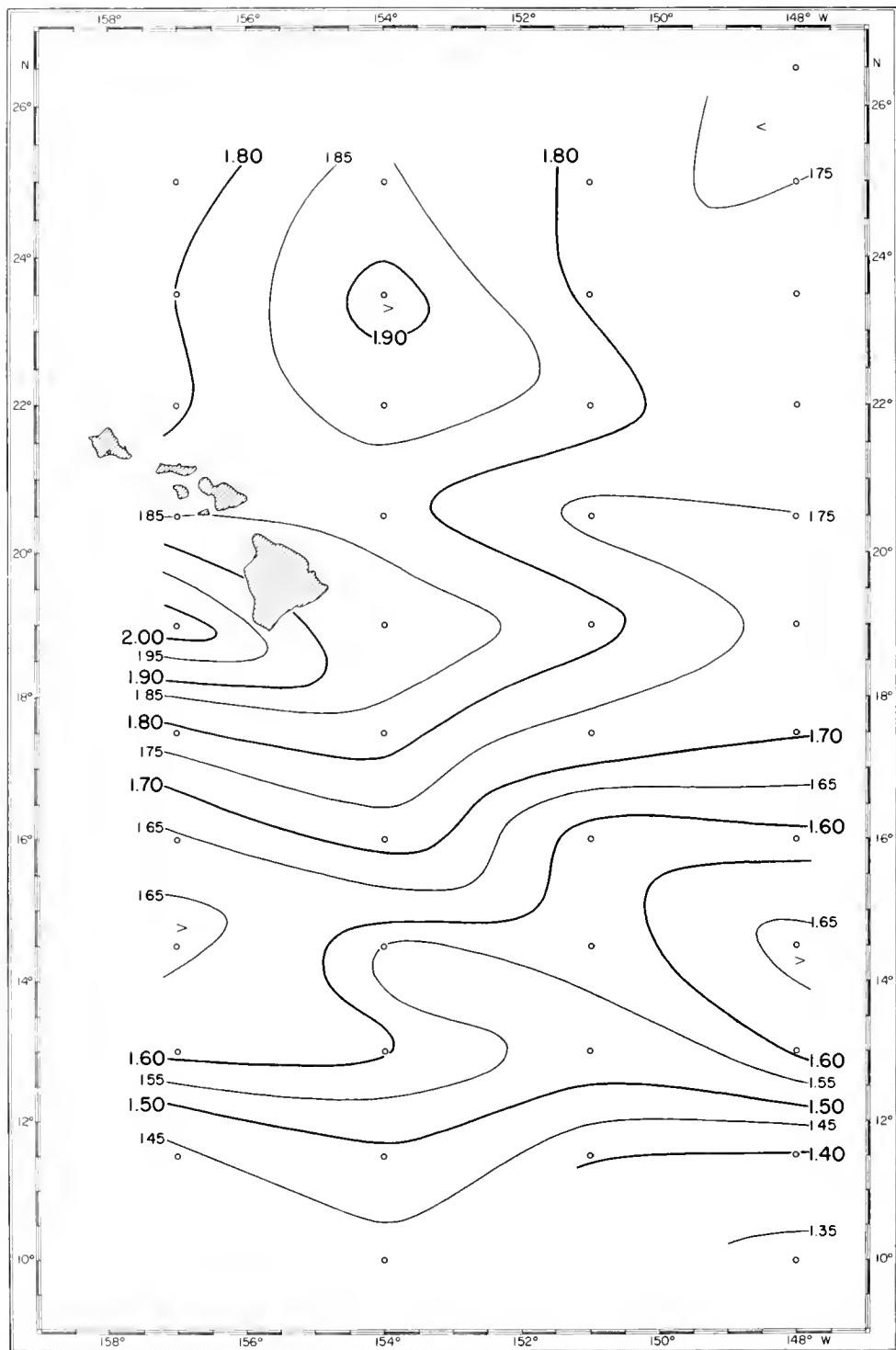
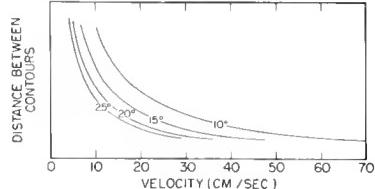


Figure 28.--Dynamic topography (dynamic meters) relative to 1,000 m. for Townsend Cromwell cruise 10.



TABLES

Information printed in the station heading has the following units or coding. Latitude and longitude are in degrees and minutes. Wet and dry bulb temperatures are in degrees Celsius. Wind speed is in knots. Barometric pressure is in tens and units of millibars (initial 9 or 10 omitted). Wind direction, weather, visibility, cloud type, and cloud cover are coded in the manner described by the International Ship Weather Code.

The observed data are presented in the following units: Depth in meters; temperature in degrees Celsius; salinity in grams per kilogram; oxygen in milliliters per liter; and phosphate ($\text{PO}_4\text{-P}$) in microgram-atoms per liter.

The derived data are listed with the following units: Density anomaly as sigma-t; specific volume anomaly (delta) in 10^5 cubic centimeters per gram; and dynamic depth anomaly (dyn. dpth.) in dynamic meters.

Table 1.--Original and derived oceanographic data for Townsend Cromwell cruise 8

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA			
CROMWELL DRY BULB 27.0	8, STATION 1, 20-34N LAT, 157-16W LENGTH, SEP. 2, 1964, 0600 G.C.T.	WET BULB 21.9	WIND SPEED 12, DIR. 06	BAR. 16	WEATHER 01	VIS. 9	CLOUD TYPE 8, COVER 2				
DEPTH	TEMP.	SAL.	OXY.	PC4-P	SIGMA-T	CELT	DEPTH	TEMP.	SAL.	SIGMA-T	CELT
0.	26.84	34.72			22.58	527.6	0.	26.84	34.72	22.58	527.6
10.	26.84	34.84			22.67	519.4	10.	26.84	34.84	22.67	519.4
51.	26.14	34.86			22.91	499.5	20.	26.77	34.86	22.71	510.2
76.	25.16	35.06			23.36	456.2	30.	26.64	34.87	22.76	511.7
102.	23.60	35.12			23.87	408.3	50.	26.17	34.86	22.90	499.2
127.	22.44	35.16			24.24	374.4	75.	25.21	35.05	23.34	458.1
153.	20.59	35.04			24.65	335.1	100.	23.72	35.12	23.83	411.8
178.	18.98	34.92			24.98	304.3	150.	26.82	35.06	24.61	339.5
193.	18.12*	34.86			25.15	288.5	200.	17.73	34.82	25.22	282.5
226.	16.36	34.66			25.42	263.5	250.	15.19	34.54	25.59	247.5
254.	14.97	34.52			25.63	244.4	300.	12.00	34.27	26.04	205.1
279.	12.96	34.34			25.91	217.5	400.	8.51	34.15	26.55	156.5
304.	11.86	34.26			26.06	203.2	500.	6.74	34.02	26.71	141.7
405.	8.38	34.15			26.57	154.7	600.	5.68	34.14	26.93	120.6
506.	6.67	34.02			26.71	141.1	700.	5.13	34.30	27.13	102.3
607.	5.63	34.15			26.95	119.0	800.	4.82	34.45	27.28	88.7
808.	4.80	34.46			27.25	87.8	1000.	4.15	34.52	27.41	77.2
1009.	4.12	34.52			27.41	76.9	1200.	3.53	34.56	27.50	68.5
1209.	3.50	34.56			27.51	68.2	1500.	2.88	34.59	27.59	60.5
1511.	2.86	34.59			27.59	60.3					22.69

CROMWELL DRY BULB 26.0	8, STATION 2, 19-3N LAT, 156-58W LENGTH, SEP. 2, 1964, 1700 G.C.T.	WET BULB 22.3	WIND SPEED 14, DIR. 07	BAR. 14	WEATHER 03	VIS. 6	CLOUD TYPE 8, COVER 4				
DEPTH	TEMP.	SAL.	OXY.	PC4-P	SIGMA-T	CELT	DEPTH	TEMP.	SAL.	SIGMA-T	CELT
0.	26.16	34.88			22.91	495.6	0.	26.16	34.88	22.91	495.6
10.	26.14	34.88			22.92	495.4	10.	26.14	34.88	22.92	495.4
20.	26.12	34.90			22.94	493.8	20.	26.12	34.90	22.94	493.8
30.	26.09	34.92			22.97	491.8	30.	26.09	34.92	22.97	491.8
51.	24.43	34.92			23.47	444.2	50.	24.53	34.92	23.44	447.0
77.	23.04	35.04			23.97	397.5	75.	23.12	35.03	23.94	400.5
101.	22.27	35.09			24.23	373.8	100.	22.30	35.09	24.22	374.8
126.	20.85	35.14			24.66	333.6	150.	19.93	35.05	24.84	317.3
176.	18.92	34.90			24.98	304.2	200.	17.43	34.77	25.25	279.2
192.	18.04	34.83			25.15	288.7	250.	13.87	34.38	25.75	232.0
225.	15.43	34.55			25.55	251.1	300.	11.31	34.22	26.13	195.9
253.	13.70	34.36			25.77	229.9	400.	7.87	34.16	26.65	146.3
279.	12.19	34.25			25.99	209.4	500.	6.29	34.29	26.98	115.8
303.	11.20	34.22			26.15	194.1	600.	5.64	34.40	27.11	103.7
403.	7.79	34.16			26.67	145.1	700.	5.19	34.40	27.20	95.8
505.	6.25	34.30			26.99	114.7	800.	4.83	34.44	27.27	89.7
606.	5.62	34.36			27.12	103.3	1000.	4.30	34.52	27.39	79.3
806.	4.81	34.44			27.27	89.4	1200.	3.67	34.52	27.50	69.5
1006.	4.29	34.52			27.40	79.0	1500.	2.87	34.58	27.58	61.0
1206.	3.65	34.57*			27.50	69.2					
1506.	2.85	34.58			27.59	60.9					

TEMPERATURE ERROR TERM AT 1500 METERS IS 0.10

CROMWELL DRY BULB 26.2	8, STATION 3, 17-30N LAT, 157-1W LENGTH, SEP. 3, 1964, 0400 G.C.T.	WET BULB 22.9	WIND SPEED 24, DIR. 06	BAR. 13	WEATHER 01	VIS. 9	CLOUD TYPE 8, COVER 1				
DEPTH	TEMP.	SAL.	OXY.	PC4-P	SIGMA-T	CELT	DEPTH	TEMP.	SAL.	SIGMA-T	CELT
0.	26.43	34.68			22.68	518.1	0.	26.43	34.68	22.68	518.1
10.	26.45	34.68			22.67	519.1	10.	26.45	34.68	22.67	519.1
30.	26.44	34.68			22.68	519.6	20.	26.47	34.67	22.66	520.7
50.	26.11	34.81			22.88	501.2	30.	26.44	34.68	22.68	519.6
76.	23.89	34.86			23.59	434.1	50.	26.11	34.81	22.88	501.2
101.	22.89	35.14			24.09	387.1	75.	23.98	34.86	23.56	436.9
126.	22.53	35.16			24.21	376.8	100.	22.91	35.13	24.08	388.5
151.	20.89	34.98			24.53	347.1	150.	20.96	34.99	24.51	348.5
176.	19.89	35.06			24.86	316.7	200.	17.66	34.76	25.19	285.2
192.	18.68	34.88			25.03	300.4	250.	12.33	34.28	25.98	209.5
225.	14.37	34.42			25.68	238.3	300.	10.42	34.24	26.30	179.4
252.	12.21	34.27			26.00	207.7	400.	8.35	34.34	26.72	140.5
278.	11.06	34.22			26.18	191.1	500.	7.97	34.42	26.84	130.5
303.	10.35	34.24			26.32	177.9	600.	6.34	34.44	27.09	106.9
404.	8.30	34.34			26.73	139.5	700.	5.46	34.46	27.21	95.1
505.	7.96*	34.42			26.85	130.2	800.	5.07	34.48	27.28	89.8
606.	6.23	34.44			27.10	105.5	1000.	4.41	34.52	27.38	80.5
807.	5.06	34.48			27.28	89.6	1200.	3.76	34.54	27.47	72.8
1007.	4.39	34.52			27.38	80.3	1500.	3.01	34.58	27.57	62.9
1207.	3.74	34.54			27.47	72.5					
1505.	3.00	34.58			27.57	62.7					

TEMPERATURE ERROR TERM AT 2000 METERS IS 0.13

TEMPERATURE ERROR TERM AT 7000 METERS IS 0.10

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL DRY BULB 23.0	8, STATION WET BULB 26.2	4, 16- 2N LAT, 157- 1W LCNG, SEP.	3, 1964, 1400 G.C.T.	CROMWELL DRY BULB 23.0	8, STATION WET BULB 26.2	4, 16- 2N LAT, 157- 1W LCNG, SEP.	3, 1964, 1400 G.C.T.	CROMWELL DRY BULB 23.0	8, STATION WET BULB 26.2	4, 16- 2N LAT, 157- 1W LCNG, SEP.	3, 1964, 1400 G.C.T.	
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN-OPHTM-
0.	26.74	34.30		22.30	554.8	0.	26.74	34.30	22.30	554.8	0.000	
10.	26.77	34.30		22.29	556.1	10.	26.77	34.30	22.29	556.1	0.056	
20.	26.73	34.34		22.33	552.4	20.	26.73	34.34	22.33	552.4	0.112	
30. ^A	26.50	34.44		22.48	538.7	30.	26.50	34.44	22.48	538.7	0.167	
50. ^A	26.50	34.62		22.61	526.5	50.	26.50	34.62	22.61	526.5	0.274	
70.	26.32	34.81		22.81	508.5	75.	26.36	34.81	22.80	509.9	0.405	
101.	23.12	34.72		23.71	423.7	100.	23.29	34.72	23.66	428.0	0.523	
125.	18.88	34.76		24.89	311.7	150.	16.11	34.55	25.40	263.6	0.697	
151.	16.02	34.54		25.41	262.4	200.	11.83	34.22	26.04	203.0	0.815	
176.	13.18	34.26		25.80	224.9	250.	10.89	34.43	26.37	172.2	0.909	
192.	12.19	34.22		25.97	209.5	300.	10.45	34.57	26.56	155.5	0.992	
224.	11.12	34.28		26.21	186.5	400.	9.22	34.80	26.79	134.3	1.138	
252.	10.89	34.44		26.38	171.4	500.	8.19	34.56	26.92	123.1	1.268	
288.	10.73	34.52		26.47	163.5	600.	7.12	34.50	27.03	113.2	1.387	
303.	10.38	34.58		26.58	153.4	700.	6.27	34.49	27.14	103.3	1.497	
403.	9.20	34.60		26.79	134.4	800.	5.60	34.51	27.24	94.4	1.597	
505.	8.14	34.56		26.93	122.6	1000.	4.62	34.52	27.36	82.9	1.776	
605.	7.07	34.50		27.04	112.8	1200.	3.85	34.55	27.46	73.3	1.934	
805.	5.57	34.51		27.24	94.0							
983.	4.69	34.52		27.35	83.8							
1117.	4.15	34.54		27.43	76.8							
1305.	3.52	34.56		27.51	69.1							

CROMWELL DRY BULB 26.2	8, STATION WET BULB 24.7	5, 14-30N LAT, 157- 1W LCNG, SEP.	3, 1964, 2400 G.C.T.	CROMWELL DRY BULB 26.2	8, STATION WET BULB 24.7	5, 14-30N LAT, 157- 1W LCNG, SEP.	3, 1964, 2400 G.C.T.	CROMWELL DRY BULB 26.2	8, STATION WET BULB 24.7	5, 14-30N LAT, 157- 1W LCNG, SEP.	3, 1964, 2400 G.C.T.	
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN-OPHTM-
0.	26.76	34.40		22.36	548.2	0.	26.76	34.40	22.36	548.2	0.000	
10.	26.72	34.31		22.31	553.9	10.	26.72	34.31	22.31	553.9	0.056	
30. ^A	26.66	34.36		22.36	549.6	20.	26.70	34.32	22.32	553.2	0.111	
50. ^A	26.60	34.40		22.41	545.4	30.	26.68	34.36	22.36	549.9	0.167	
70.	24.81	34.61		23.13	478.2	50.	26.60	34.40	22.41	545.4	0.277	
90.	22.23	34.85		24.06	389.9	75.	24.49	34.64	23.25	466.7	0.405	
120.	20.36	34.98		24.67	332.4	100.	21.91	34.89	24.18	378.8	0.511	
144.	18.05	34.82		25.14	288.1	150.	17.68	34.77	25.19	283.3	0.678	
167.	16.33	34.59		25.38	266.1	200.	12.75	34.28	25.91	215.6	0.804	
181.	14.24	34.40		25.69	235.9	250.	10.17	34.35	26.43	165.8	0.900	
212.	12.14	34.26		26.01	206.1	300.	9.84	34.53	26.63	148.2	0.979	
237.	10.42	34.25		26.31	176.9	400.	8.37	34.54	26.88	125.3	1.117	
260.	10.13	34.43		26.50	159.3	500.	7.30	34.51	27.02	113.4	1.237	
283.	10.04	34.50		26.57	153.1	600.	6.48	34.51	27.12	104.0	1.347	
375.	8.68	34.55		26.64	129.3	700.	5.84	34.51	27.20	96.5	1.448	
467.	7.62	34.52		26.97	117.1	800.	5.33	34.52	27.28	90.0	1.543	
553.	6.84	34.51		27.08	108.0	1000.	4.56	34.56	27.39	79.7	1.714	
743.	5.61	34.51		27.24	93.8	1200.	3.83	34.57	27.49	71.1	1.867	
928.	4.81	34.55		27.36	82.6							
1112.	4.18	34.56		27.44	75.7							
1334.	3.36	34.58		27.54	65.9							

TEMPERATURE ERROR TERM AT 20C. METERS IS 0.14

CROMWELL DRY BULB 26.0	8, STATION WET BULB 24.5	6, 13- IN LAT, 157- 4W LCNG, SEP.	4, 1964, 1200 G.C.T.	CROMWELL DRY BULB 26.0	8, STATION WET BULB 24.5	6, 13- IN LAT, 157- 4W LCNG, SEP.	4, 1964, 1200 G.C.T.	CROMWELL DRY BULB 26.0	8, STATION WET BULB 24.5	6, 13- IN LAT, 157- 4W LCNG, SEP.	4, 1964, 1200 G.C.T.	
DEPTH	TEMP.	SAL.	OXY.	PC4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN-OPHTM-
0.	26.93	34.18		22.14	569.2	0.	26.93	34.18	22.14	569.2	0.000	
11.	26.96	34.19		22.14	569.8	10.	26.96	34.19	22.14	570.2	0.057	
31.	26.84	34.46		22.38	547.6	20.	26.93	34.28	22.22	562.5	0.114	
50.	26.56	34.82		22.74	514.0	30.	26.85	34.44	22.37	549.2	0.170	
77.	22.92	35.02		23.99	395.6	50.	26.56	34.82	22.74	514.0	0.278	
102.	21.39	35.04		24.44	354.0	75.	23.22	35.01	23.90	404.2	0.393	
127.	19.04	34.91		24.96	304.7	100.	21.49	35.04	24.41	356.4	0.489	
153.	16.80	34.65		25.31	271.8	150.	17.08	34.68	25.27	275.6	0.648	
192.	11.52	34.24		26.11	195.8	200.	11.03	34.24	26.19	187.7	0.765	
226.	10.24	34.31		26.39	169.2	250.	9.98	34.41	26.51	158.1	0.852	
253.	9.96	34.42		26.53	157.0	300.	9.12	34.44	26.68	142.6	0.928	
279.	9.59	34.46		26.62	148.5	400.	8.03	34.52	26.91	122.4	1.062	
304.	9.03	34.44		26.70	141.5	500.	7.00	34.52	27.06	108.6	1.178	
404.	8.01	34.52		26.92	121.8	600.	6.16	34.50	27.16	100.0	1.284	
506.	6.94 ^A	34.52		27.07	107.9	700.	5.55	34.51	27.25	92.3	1.301	
606.	6.12	34.50		27.16	99.6	800.	5.06	34.54	27.32	85.3	1.471	
808.	5.03	34.54		27.33	84.8	1000.	4.21	34.56	27.44	75.1	1.633	
1008.	4.18	34.56		27.44	74.7	1200.	3.53	34.58	27.52	67.1	1.777	
1208.	3.51	34.58		27.52	66.8	1500.	2.81	34.62	27.62	57.6	1.966	
1508.	2.80	34.62		27.62	57.4							

*FROM BI DATA

*INTERPOLATED DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA												
CROMWELL	B, STATION	TA, 11-30N LAT, 157- C _W LONG, SEP.	WIND SPEED 08, DIR. 18	4, 1964, 2300 G.C.T.	WEATHER 02	VIS. 8	CLOUD TYPE 2, COVER 6	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	CYN.DPTH.
CRY BULB	28.4	WET BULB 24.5	WIND SPEED 08, DIR. 18	BAR. 14																
93.	27.32	33.93		21.83	59.1			27.32	33.93	21.83			59.1		27.32	33.93	21.83	59.1	0.000	
9.	27.10	33.99		21.65	58.84	10.		27.10	33.99	21.95			58.81		27.10	33.99	21.95	58.81	0.060	
30. ^Δ	26.28	34.17		22.34	55.15	20.		26.88	34.06	22.07			55.15		26.88	34.06	22.07	55.15	0.118	
45.	23.94	34.50		23.30	46.03	30.		26.28	34.17	22.34			46.03		26.28	34.17	22.34	46.03	0.175	
71.	20.64	34.88		24.52	34.50	50.		23.34	34.62	23.56			34.50		23.34	34.62	23.56	34.50	0.275	
93.	16.33	34.54		25.34	26.75	75.		19.86	34.83	24.69			26.75		19.86	34.83	24.69	328.7	0.371	
116.	13.22	34.37		25.88	21.61	100.		15.22	34.47	25.54			21.61		15.22	34.47	25.54	248.6	0.444	
140.	11.72	34.28		26.10	19.52	150.		11.56	34.38	26.21			19.52		11.56	34.38	26.21	185.1	0.553	
163.	11.47	34.53		26.34	172.9	200.		10.68	34.64	26.58			172.9		10.68	34.64	26.58	151.5	0.630	
176.	11.16	34.57		26.43	164.8	250.		10.00	34.68	26.72			164.8		10.00	34.68	26.72	138.3	0.711	
207.	10.56	34.66		26.61	148.5	300.		9.46	34.65	26.79			148.5		9.46	34.65	26.79	133.1	0.719	
232.	10.26	34.68		26.68	142.5	400.		8.51	34.62	26.91			142.5		8.51	34.62	26.91	122.3	0.908	
254.	9.94	34.68		26.73	137.6	500.		7.56	34.53	26.99			137.6		7.56	34.53	26.99	116.3	1.029	
277.	9.70	34.66		26.76	135.6	600.		6.64	34.45	27.06			135.6		6.64	34.45	27.06	110.0	1.143	
367.	8.78	34.62		26.86	125.6	700.		6.05	34.51	27.18			125.6		6.05	34.51	27.18	99.2	1.249	
459.	8.01	34.59		26.97	117.6	800.		5.50	34.54	27.28			117.6		5.50	34.54	27.28	90.6	1.344	
549.	7.02	34.45		27.00	114.9	1000.		4.51	34.55	27.39			114.9		4.51	34.55	27.39	79.6	1.517	
732.	5.90	34.54		27.22	95.3	1200.		3.75	34.57	27.49			95.3		3.75	34.57	27.49	70.5	1.669	
915.	4.89	34.54		27.35	84.2															
1103.	4.10	34.56		27.45	74.6															
1394.	3.24	34.60		27.57	63.4															

TEMPERATURE ERROR TERM AT 20° METERS IS 0.10

CROMWELL	R, STATION	TA, 9-59N LAT, 153-59W LONG, SEP.	WIND SPEED 06, DIR. 14	5, 1964, 1800 G.C.T.	WEATHER 02	VIS. 9	CLOUD TYPE 8, COVER 4	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.CPTH.
CRY BULB	25.9	WET BULB 23.6	WIND SPEED 06, DIR. 14	BAR. 13																
9.	27.19	33.52	4.40	0.87	21.57	624.6		27.19	33.52	21.57			624.6		27.19	33.52	21.57	611.5	0.062	
10. ^Δ	27.36	33.78	4.28		21.71	611.5	10.	27.36	33.78	21.71			611.5		27.36	33.78	21.71	602.0	0.123	
20. ^Δ	27.20	33.85			21.81	622.0	20.	27.20	33.85	21.81			622.0		27.20	33.85	21.81	596.6	0.184	
30. ^Δ	27.08	33.88			21.87	596.6	30.	27.08	33.88	21.87			596.6		27.08	33.88	21.87	596.6	0.282	
50.	21.05	34.54	4.33	0.54	24.15	379.4	50.	21.05	34.54	24.15			379.4		21.05	34.54	24.15	379.4	0.361	
76.	14.76	34.44	3.42	1.07	25.61	240.7	75.	14.95	34.45	25.58			240.7		14.95	34.45	25.58	243.7	0.416	
101.	12.37	34.44	1.45	2.19	26.10	194.4	100.	12.42	34.44	26.09			194.4		12.42	34.44	26.09	195.5	0.504	
125.	11.59	34.70	0.27	2.59	26.45	161.7	150.	11.06	34.70	26.55			161.7		11.06	34.70	26.55	152.6	0.647	
151.	11.04	34.70	0.23	2.65	26.55	152.5	200.	10.37	34.71	26.68			152.5		10.37	34.71	26.68	141.3	0.715	
175.	10.66	34.70	0.20	2.61	26.62	146.5	250.	9.93	34.70	26.75			146.5		9.93	34.70	26.75	135.8	0.787	
190.	10.47	34.71	0.17	2.79	26.66	142.9	300.	9.53	34.70	26.82			142.9		9.53	34.70	26.82	130.3	0.842	
224.	10.17	34.71	0.20	2.26	26.73	138.6	400.	8.56	34.63	26.92			138.6		8.56	34.63	26.92	121.7	0.960	
251.	9.92	34.70	0.31	2.92	26.75	135.7	500.	7.57	34.59	27.04			135.7		7.57	34.59	27.04	111.7	1.068	
276.	9.68	34.68	0.32	2.42	26.76	133.8	600.	6.64	34.55	27.14			133.8		6.64	34.55	27.14	102.8	1.168	
300.	9.53	34.70	0.39	2.73	26.82	130.3	700.	5.91	34.54	27.22			130.3		5.91	34.54	27.22	94.9	1.266	
400.	8.54	34.63	0.37	3.04	26.52	121.7	800.	5.33	34.55	27.30			121.7		5.33	34.55	27.30	87.9	1.360	
502.	7.55	34.59	0.35	2.46	27.04	111.5	1000.	4.41	34.57	27.42			111.5		4.41	34.57	27.42	76.8	1.427	
603.	6.61	34.55	0.56	2.66	27.14	102.5	1200.	3.73	34.59	27.51			102.5		3.73	34.59	27.51	68.7	1.574	
802.	5.32	34.55	0.62	2.57	27.30	87.7														
1001.	4.41	34.57	0.94	2.76	27.42	76.8														
1200.	3.73	34.59	1.34	3.32	27.51	68.7														
1499.	2.99	34.62	1.65	2.56	27.60	59.6														

FROM BT DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL	R. STATION	9, 13- 3N LAT, 154-160 LONG, SEP.	6, 1964, 1200 G.C.T.	CRY BULB 26.3	WET BULB 23.2	WIND SPEED 14, CIR. 05	BAR. 13	WEATHER 02	VIS. 8	CLOUD TYPE	COVER	
DEPTH	TEMP.	SAL.	EXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
0.	27.15	33.59	4.21	0.45	21.63	618.4	0.	27.15	33.59	21.63	618.4	0.000
10.	27.15	33.59	4.21	0.45	21.63	618.8	10.	27.15	33.59	21.63	618.8	0.062
30.	26.30	34.03	4.21	0.45	22.23	562.2	20.	26.86	33.77	21.86	597.1	0.124
50.	24.14	34.50	4.63	0.72	23.24	466.2	30.	26.30	34.03	22.23	562.2	0.182
68.	22.38	34.66	4.92	0.36	23.87	406.6	50.	24.37	34.46	23.15	475.3	0.286
78.	21.6P	34.72	4.73	0.44	24.11	383.9	75.	21.88	34.70	24.05	390.4	0.395
92.	20.42	34.83	4.34	0.47	24.54	343.7	100.	19.62	34.81	24.74	325.1	0.486
102.	19.39	34.80	4.21	0.63	24.76	320.4	150.	12.70	34.31	25.93	211.7	0.621
117.	16.74	34.54	3.45	1.76	25.24	277.4	200.	11.09	34.63	26.49	159.4	0.714
127.	15.46	34.44	3.44	1.35	25.46	256.9	250.	10.55	34.68	26.62	148.1	0.792
154.	12.31	34.30	2.06	2.39	26.01	204.9	300.	9.88	34.65	26.72	139.6	0.864
193.	11.19	34.61	0.51	2.69	26.46	162.8	400.	8.65	34.59	26.88	126.1	0.998
254.	10.52	34.67	0.19	2.59	26.62	148.1	500.	7.57	34.54	27.00	115.2	1.120
280.	10.15	34.66	0.14	2.75	26.68	143.1	600.	6.69	34.52	27.11	105.7	1.232
305.	9.81	34.65	0.23	2.74	26.73	138.7	700.	5.97	34.52	27.20	97.0	1.334
405.	8.59	34.59	0.43	3.02	26.88	125.5	800.	5.38	34.54	27.29	89.4	1.429
506.	7.51	34.54	0.49	3.25	27.01	114.7	1000.	4.44	34.56	27.41	77.9	1.598
607.	6.63	34.52	0.47	3.16	27.11	105.1	1200.	3.79	34.58	27.50	70.2	1.748
808.	5.34	34.54	0.65	2.68	27.29	88.8	1500.	3.00	34.60	27.59	61.3	1.948
1009.	4.40	34.56	1.06	2.88	27.42	77.5						
1210.	3.76	34.58	1.40		27.50	69.9						
151C.	2.98	34.60	1.65	2.98	27.55	61.0						

CROMWELL	R. STATION	10, 14-30N LAT, 154- SW LONG, SEP.	6, 1964, 2000 G.C.T.	CRY BULB 26.7	WET BULB 23.3	WIND SPEED 14, CIR. 06	BAR. 15	WEATHER 02	VIS. P	CLOUD TYPE 1, COVER 1		
DEPTH	TEMP.	SAL.	EXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
0.	26.80	33.84	4.59	0.28	21.93	589.7	0.	26.80	33.84	21.93	589.7	0.000
10.	26.72	33.83	4.71	0.41	21.95	588.4	10.	26.72	33.83	21.95	588.4	0.059
30.	26.64	33.84			21.98	586.1	20.	26.67	33.83	21.97	587.1	0.119
50.	26.60	33.85			22.00	584.9	30.	26.64	33.84	21.98	586.1	0.178
70.	23.94	34.48	4.87	0.73	23.28	464.1	50.	26.60	33.85	22.00	584.9	0.296
102.	21.43	34.74	4.93	0.39	24.20	376.7	75.	24.23	34.43	23.16	474.8	0.429
127.	20.28	35.02	4.58	0.44	24.72	327.7	100.	21.61	34.72	24.14	382.5	0.537
152.	16.61	34.60	5.04	0.79	25.32	271.2	150.	16.94	34.64	25.27	275.3	0.703
177.	13.60	34.34	2.73	1.69	25.78	227.3	200.	11.95	34.36	26.12	194.7	0.821
192.	12.37	34.32	2.19	2.07	26.01	205.5	250.	10.85	34.58	26.49	160.6	0.911
226.	11.17	34.54	0.79	2.57	26.41	168.3	300.	10.61	34.68	26.62	149.8	0.989
253.	10.84	34.59	0.68	2.75	26.50	160.2	400.	8.85	34.57	26.82	131.4	1.131
279.	10.95	34.68	0.32	2.70	26.55	155.4	500.	7.85	34.56	26.97	118.1	1.257
304.	10.53	34.68	0.23	2.35	26.63	148.7	600.	7.00	34.53	27.07	109.3	1.372
404.	8.79	34.56	0.42	2.92	26.83	130.8	700.	6.21	34.52	27.17	100.3	1.478
506.	7.80*	34.56	0.38	3.00	26.96	117.5	800.	5.53	34.53	27.26	92.0	1.575
606.	6.95	34.53	0.63	3.00	27.06	108.9	1000.	4.61	34.55	27.38	80.8	1.750
808.	5.48	34.53	0.66	3.09	27.27	91.4	1200.	3.90	34.57	27.48	72.3	1.905
1008.	4.58	34.55	0.82	2.75	27.39	80.5	1500.	3.04	34.60	27.58	61.8	2.109
1209.	3.87	34.57	1.21	3.39	27.48	71.9						
1509.	3.02	34.60	1.62	2.83	27.55	61.5						

CROMWELL	R. STATION	11, 16- ON LAT, 153-58W LONG, SEP.	7, 1964, 0500 G.C.T.	CRY BULB 26.3	WET BULB 23.6	WIND SPEED 16, CIR. 05	BAR. 13	WEATHER 03	VIS. 8	CLOUD TYPE 8, COVER 4		
DEPTH	TEMP.	SAL.	EXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
0.	26.37	34.68	4.52		22.70	516.3	0.	26.37	34.68	22.70	516.3	0.000
9.	26.32	34.68	4.62		22.71	515.2	10.	26.31	34.68	22.72	515.0	0.052
30.	26.20	34.68			22.75	512.4	20.	26.26	34.68	22.73	513.0	0.104
50.	26.06	34.68			22.79	509.0	30.	26.20	34.68	22.75	512.4	0.155
70.	25.12	34.68	4.74	0.39	23.08	482.1	50.	26.06	34.68	22.79	509.0	0.258
92.	22.95	34.77	4.94	0.43	23.76	415.1	75.	24.64	34.69	23.24	467.3	0.381
116.	21.65	34.92	4.80	0.39	24.27	370.1	100.	22.45	34.82	23.97	398.4	0.490
139.	20.41	35.04	4.48		24.70	330.0	150.	19.85	35.03	24.84	317.3	0.671
162.	19.09	34.95	4.29	0.53	24.98	304.3	200.	15.69	34.54	25.49	256.5	0.815
177.	17.66	34.76	4.04	1.26	25.19	284.4	250.	11.98	34.25	26.03	205.2	0.932
208.	15.03	34.48	3.75	0.70	25.56	247.2	300.	9.72	34.21	26.40	169.8	1.026
232.	12.98	34.29	3.61	1.72	25.87	220.3	400.	7.88	34.35	26.80	132.7	1.179
256.	11.70	34.24	3.54	2.96	26.08	200.6	500.	6.87	34.43	27.01	113.1	1.303
279.	10.46	34.20	3.23	1.58	26.27	182.2	600.	6.12	34.47	27.14	101.6	1.411
370.	8.32	34.31	1.39	3.16	26.70	141.4	700.	5.51	34.49	27.23	93.6	1.510
463.	7.20	34.41	0.68	3.22	26.95	119.1	800.	5.05	34.51	27.30	87.4	1.601
554.	6.45	34.46	0.60	2.51	27.09	106.3	1000.	4.36	34.55	27.41	77.6	1.768
740.	5.30	34.49	0.70	3.22	27.26	91.2	1200.	3.75	34.58	27.50	69.9	1.910
925.	4.62	34.54	0.85	3.03	27.38	80.9						
1110.	4.00	34.56	1.13		27.46	73.4						
1394.	3.25	34.59	1.46	3.10	27.56	64.3						

TEMPERATURE ERROR TERM AT 300. METERS IS 0.10

FROM BT DATA
*INTERPOLATED DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROWELL DRY BULB 27.2	B, STATION WET BULB 24.0	12, 17-31N LAT, 153-58W LONG, SEP.	7, 1964, 1500 G.C.T.									VIS. 6	CLCUD	TYPE	, COVER
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	OYN.CPTH.			
C.	26.10	34.84	4.06	0.35	22.90	496.7	C.	26.10	34.84	22.90	496.7	0.000			
10. ^A	26.09	34.84	4.30	0.37	22.91	496.8	10.	26.09	34.84	22.91	496.8	0.050			
30. ^A	26.00	34.84			22.92	494.9	20.	26.06	34.84	22.91	496.4	0.100			
50. ^A	25.76	34.85			23.02	487.9	30.	26.00	34.84	22.93	494.9	0.150			
76.	23.76	34.91		0.35	23.66	426.9	50.	25.76	34.85	23.02	487.9	0.249			
101.	22.74	35.06	4.20	0.23	24.07	388.7	75.	23.85	34.91	23.64	429.5	0.365			
126.	21.73	35.08		0.52	24.37	361.0	100.	22.77	35.05	24.06	390.0	0.468			
151.	20.53	35.12	4.01	0.30	24.73	327.7	150.	20.58	35.12	24.72	329.1	0.649			
176.	18.89	34.98	4.74	0.39	25.04	299.1	200.	17.15	34.75	25.31	273.6	0.801			
190.	17.90	34.85		0.48	25.20	283.9	250.	12.24	34.21	25.95	212.6	0.923			
224.	15.06	34.50	4.28	0.63	25.59	246.9	300.	9.81	34.15	26.34	175.8	1.021			
251.	12.14	34.20	4.40	1.08	25.96	211.5	400.	7.40	34.16	26.72	139.4	1.105			
276.	10.73	34.12	4.08	1.55	26.16	192.6	500.	6.80	34.34	26.94	119.5	1.311			
302.	9.75	34.15	3.48	1.60	26.35	174.5	600.	5.96	34.42	27.12	103.3	1.424			
402.	7.37	34.16	2.01	2.61	26.73	139.0	700.	5.33	34.45	27.22	94.1	1.523			
502.	6.80	34.34	0.86	3.10	26.55	119.2	800.	4.86	34.46	27.28	88.5	1.616			
602.	5.94	34.42	0.74	3.08	27.12	103.0	1000.	4.23	34.52	27.40	78.2	1.784			
803.	4.85	34.46	0.83		27.25	88.4	1200.	3.63	34.55	27.49	70.4	1.935			
1002.	4.22	34.52	1.09	2.89	27.40	78.1									
1202.	3.62	34.55	1.25	2.55	27.45	70.3									
1486.	2.88	34.60	1.67	2.63	27.60	59.7									

CROWELL DRY BULB 27.0	B, STATION WET BULB 23.2	13, 19- ON LAT, 153-58W LONG, SEP.	7, 1964, 2400 G.C.T.									VIS. 8	CLCUD	TYPE	, COVER
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	OYN.CPTH.			
C.	25.64	34.83	4.68	0.25	23.04	483.8	C.	25.64	34.83	23.04	483.8	0.000			
10. ^A	25.61	34.82	4.63	0.27	23.04	484.0	10.	25.61	34.82	23.04	484.0	0.049			
30. ^A	25.54	34.82			23.06	482.7	20.	25.58	34.82	23.05	483.5	0.097			
50. ^A	25.48	34.81			23.07	482.5	30.	25.54	34.82	23.06	482.7	0.146			
75.	25.00	34.81			23.22	469.5	50.	25.48	34.81	23.07	482.5	0.243			
102.	21.89	34.66	4.76	0.90	24.16	380.3	75.	25.00	34.81	23.22	469.5	0.363			
126.	20.76	34.98	4.36	0.29	24.56	342.8	100.	22.13	34.85	24.09	387.1	0.471			
152.	19.37	34.90	4.27	0.40	24.87	314.4	150.	19.49	34.91	24.85	316.5	0.648			
178.	17.30	34.70	3.99	0.54	25.23	280.4	200.	15.75	34.48	25.43	262.1	0.794			
192.	16.39	34.56	3.79		25.34	270.4	250.	11.81	34.17	26.00	207.9	0.913			
226.	13.57	34.28	3.08		25.74	232.4	300.	9.80	34.18	26.36	173.2	1.009			
252.	11.68	34.16	3.72	1.43	26.02	206.0	400.	7.50	34.14	26.70	142.1	1.168			
278.	10.32	34.16	3.57	1.74	26.26	182.7	500.	5.71	34.18	26.96	116.8	1.299			
303.	9.75	34.18	2.96		26.37	172.3	600.	5.31	34.36	27.15	99.3	1.408			
404.	7.41	34.14	2.29	2.52	26.71	141.1	700.	4.99	34.45	27.27	89.5	1.503			
504.	5.66	34.1E	1.09	3.01	26.97	115.9	800.	4.67	34.49	27.33	84.0	1.591			
605.	5.31	34.37	0.66	3.26	27.16	98.6	1000.	4.07	34.51	27.41	77.0	1.754			
808.	4.65	34.49	0.80	3.17	27.33	83.7	1200.	3.59	34.54	27.48	70.7	1.903			
1008.	4.05	34.51	0.99	3.33	27.41	76.8	1500.	2.82	34.58	27.59	60.6	2.103			
1208.	3.57	34.54	1.24	3.19	27.45	70.5									
1508.	2.80	34.58	1.54	2.61	27.59	60.3									

CROWELL DRY BULB 25.2	B, STATION WET BULB 22.6	14, 20-32N LAT, 154- CW LENGTH, SEP.	8, 1964, 0800 G.C.T.									VIS. 7	CLCUD	TYPE	, COVER
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	OYN.CPTH.			
C.	25.47	34.57	4.79	0.25	22.85	497.5	C.	25.47	34.57	22.89	497.5	0.000			
11. ^A	25.48	34.97	4.90	0.36	23.19	469.4	10.	25.48	34.94	23.17	471.2	0.149			
30. ^A	25.42	35.03			23.26	464.1	20.	25.47	35.05	23.25	463.9	0.096			
51.	25.04	35.08	4.79	1.13	23.41	450.2	30.	25.42	35.03	23.26	464.1	0.143			
77.	23.50	35.08	5.21	0.55	23.87	407.4	50.	25.07	35.08	23.40	451.2	0.235			
102.	22.55	35.16	5.08	0.14	24.20	376.4	75.	23.63	35.08	23.83	410.9	0.343			
127.	21.34	35.16	4.74	0.60	24.54	345.0	100.	22.62	35.15	24.18	378.7	0.443			
153.	20.32	35.11	4.63	0.58	24.78	323.1	150.	20.45	35.12	24.75	325.6	0.620			
177.	18.73	34.94	4.49	0.52	25.06	296.7	200.	17.71	34.82	25.22	282.2	0.774			
193.	18.08	34.86	4.52	0.44	25.16	267.5	250.	14.18	34.40	25.71	236.3	0.904			
226.	16.03	34.62	4.62	0.46	25.47	259.1	300.	11.25	34.16	26.09	199.5	1.014			
253.	13.96	34.38	4.66	0.89	25.74	233.7	400.	8.28	34.09	26.54	157.3	1.194			
279.	12.58	34.26	4.76	0.55	25.92	216.0	500.	6.23	34.10	26.83	129.3	1.339			
304.	11.00	34.14	4.13	1.32	26.13	196.5	600.	5.28	34.21	27.04	110.0	1.460			
405.	8.22	34.10	3.15	1.84	26.56	156.0	700.	4.86	34.33	27.19	96.8	1.564			
506.	6.13	34.10	1.86	3.37	26.85	127.9	800.	4.64	34.43	27.29	87.7	1.657			
606.	5.25	34.22	0.96	3.55	27.05	109.0	1000.	4.07	34.50	27.40	77.7	1.825			
808.	4.63	34.44	0.88	3.63	27.3C	87.2	1200.	3.52	34.54	27.49	69.5	1.974			
1009.	4.04	34.50	1.14		27.41	77.4									
1187.	3.54	34.54	1.45	3.19	27.49	69.9									
1425.	2.99	34.58	1.50	2.59	27.57	62.1									

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL ERY BULB 23.8	R, STATION WET BULB 22.8	15, 22- ON LAT., 153-58W LCNG, SEP.	BAR. 17 WIND SPEED 18, CIR. CB	8, 1964, 1700 G.C.T.	WEATHER 01	VIS. 6	CLOUD TYPE 8, COVER 6	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN-DEPTH
25.40	34.96	4.73	C.25	23.21	467.4	C.	25.40	34.96	23.21	467.4	0.000		
11.△	25.43	34.96	4.86	1.55	23.20	468.7	10.	25.43	34.96	23.20	468.6	0.047	
30.△	25.43	34.97			23.21	468.7	20.	25.43	34.96	23.20	468.8	0.094	
50.△	25.42	34.97			23.21	469.2	30.	25.43	34.97	23.21	468.7	0.142	
75.△	24.80	34.99			23.42	450.7	50.	25.42	34.97	23.21	469.2	0.236	
97.	23.20	35.08	4.95	C.30	23.96	399.8	75.	24.80	34.99	23.42	450.7	0.352	
121.	22.41	35.15	4.84		24.24	374.0	100.	23.07	35.09	24.00	395.5	0.459	
147.	21.79	35.17	4.74	0.31	24.43	356.9	150.	21.69	35.17	24.46	354.1	0.647	
172.	20.79	35.16	4.58	0.36	24.69	332.3	200.	19.27	35.02	24.98	305.1	0.814	
186.	20.11	35.11	4.51		24.84	319.0	250.	15.52	34.54	25.52	255.0	0.955	
219.	17.95	34.85	4.48	0.73	25.19	286.0	300.	12.51	34.26	25.94	215.1	1.073	
244.	16.00	34.58	4.13	1.05	25.44	261.9	400.	9.39	34.13	26.39	172.0	1.269	
269.	14.13	34.42	4.45	1.09	25.73	234.6	500.	6.97	34.11	26.74	138.5	1.425	
294.	12.76	34.28	4.21	1.06	25.90	218.4	600.	5.79	34.24	27.00	114.0	1.553	
391.	9.66	34.14	3.85	2.46	26.36	175.5	700.	5.17	34.33	27.15	101.0	1.661	
490.	7.14	34.10	2.32	2.57	26.71	141.5	800.	4.80	34.39	27.24	92.8	1.759	
586.	5.90	34.23	0.94	3.15	26.96	116.3	1000.	4.01	34.49	27.40	78.0	1.932	
783.	4.88	34.38	0.80	3.22	27.22	94.5	1200.	3.44	34.54	27.50	68.9	2.081	
977.	4.08	34.48	1.12	3.15	27.35	79.1							
1172.	3.54	34.52	1.34	3.10	27.47	71.3							
1467.	2.93	34.58	1.48		27.58	61.6							

CROMWELL ERY BULB 24.9	R, STATION WET BULB 22.1	16, 23-30N LAT, 153-57W LCNG, SEP.	BAR. 16 WIND SPEED 17, CIR. C9	9, 1964, 2200 G.C.T.	WEATHER 02	VIS. 8	CLOUD TYPE 8, COVER 7	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN-DEPTH
25.63	34.93	5.02	0.14	23.12	476.3	C.	25.63	34.93	23.12	476.3	0.000		
10.△	25.63	34.93	5.00	1.05	23.12	476.7	10.	25.63	34.93	23.12	476.7	0.048	
20.	25.63	34.98			23.15	473.5	20.	25.63	34.98	23.15	473.5	0.096	
50.	25.20	35.22	5.08	0.14	23.47	444.8	30.	25.04	35.07	23.22	467.7	0.143	
76.	23.16	35.20	5.09	0.12	24.05	389.8	50.	25.20	35.22	23.47	444.8	0.235	
101.	22.11	35.22	4.91	C.18	24.37	360.1	75.	23.26	35.20	24.03	391.9	0.341	
127.	20.60	35.13	4.75	0.34	24.72	327.9	100.	22.15	35.22	24.36	361.1	0.435	
152.	19.76	35.07	4.69	C.36	24.90	311.8	150.	19.83	35.08	24.88	313.0	0.605	
177.	18.21	34.90	4.57	0.44	25.16	287.2	200.	16.81	34.71	25.36	268.9	0.752	
192.	17.32	34.78	4.54	0.68	25.29	275.5	250.	14.65	34.48	25.67	240.2	0.880	
226.	15.37	34.54	4.49		25.55	250.6	300.	12.27	34.27	25.99	210.3	0.994	
252.	14.59	34.48	4.60	0.76	25.66	239.3	400.	9.27	34.1C	26.39	171.9	1.187	
278.	12.96	34.32	4.69	0.52	25.89	218.9	500.	6.67	34.04	26.73	139.5	1.344	
304.	12.18	34.26	4.69	1.08	26.00	209.1	600.	5.46	34.11	26.94	119.5	1.475	
404.	9.15	34.10	5.11	1.57	26.41	170.4	700.	4.81	34.23	27.11	103.9	1.588	
506.	6.54	34.04	2.53	2.55	26.75	137.9	800.	4.41	34.34	27.24	91.6	1.686	
605.	5.43	34.12	1.31	2.97	26.95	118.6	1000.	3.90	34.48	27.40	77.4	1.857	
807.	4.39	34.35	0.82		27.25	90.9	1200.	3.42	34.54	27.50	68.7	2.005	
1008.	3.88	34.48	1.18	3.01	27.41	77.0							
1208.	3.40	34.54	1.45	3.18	27.50	68.4							
1480.	2.84	34.58	1.56	3.06	27.59	60.6							

CROMWELL DRY BULB 22.9	R, STATION WET BULB 20.2	17, 23-27N LAT, 151-0W LCNG, SEP.	BAR. 20 WIND SPEED 14, CIR. C9	9, 1964, 1900 G.C.T.	WEATHER 03	VIS. 7	CLOUD TYPE 6, COVER 5	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN-DEPTH
24.95	35.16			23.50	439.8	0.	24.95	35.16	23.50	439.8	0.000		
10.△	24.92	35.17		23.51	438.6	1C.	24.92	35.17	23.51	438.6	0.044		
30.△	24.86	35.18		23.54	437.0	20.	24.89	35.18	23.53	437.7	0.088		
50.△	24.82	35.18		23.55	436.6	3C.	24.86	35.18	23.54	437.0	0.132		
77.	23.31	35.16		23.99	396.3	50.	24.82	35.18	23.55	436.6	0.220		
100.	22.16	35.22		24.36	361.4	75.	23.45	35.16	23.95	400.1	0.326		
125.	21.12	35.28		24.69	330.5	100.	22.16	35.22	24.36	361.4	0.422		
151.	20.68	35.26		24.80	321.5	150.	20.70	35.26	24.80	321.6	0.594		
177.	19.68	35.08		24.93	310.0	200.	18.16	34.89	25.17	287.6	0.747		
191.	18.72	34.96		25.06	295.5	250.	15.22	34.53	25.58	249.1	0.883		
225.	16.68	34.70		25.38	267.8	300.	12.29	34.26	25.98	210.9	0.999		
251.	15.16	34.52		25.59	248.3	400.	9.40	34.08	26.36	175.8	1.194		
277.	13.34	34.34		25.83	224.9	500.	6.99	34.04	26.69	144.1	1.355		
301.	12.25	34.26		25.99	210.3	600.	5.40	34.12	26.95	118.4	1.488		
402.	9.36	34.08		26.36	175.2	700.	4.76	34.26	27.14	101.1	1.599		
502.	6.95	34.04		26.69	143.5	800.	4.54	34.40	27.27	89.2	1.695		
602.	5.38	34.12		26.96	118.0	1000.	3.97	34.50	27.41	76.6	1.862		
802.	4.54	34.40		27.27	89.0	1200.	3.51	34.54	27.49	69.7	2.011		
1001.	3.97	34.50		27.41	76.5								
1200.	3.51	34.54		27.49	69.7								
1498.	2.87	34.57		27.58	61.8								

TEMPERATURE ERROR TERM AT 700. METERS IS 0.12

FROM BT DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA											
CROWELL	P, STATION 18, 22- ON LAT, 151°	WIND SPEED 20, CIR. 07	WEATHER 02	IN LCNG, SEP. 10, 1964, 0400 G.C.T.	BAR. 17	TEMP. 02	VIS. 8	CLOUD TYPE 6, COVER 5	DEPTH	TEMP.	SAL.	SIGMA-T	DELT A	DYN-OPTH.					
DRY BULB 24.9	WET BULB 21.2								0.	25.08	35.07	23.35	450.1	0.	25.08	35.07	23.39	450.1	0.000
0.	25.08	35.07	23.35	450.1	0.	25.08	35.07	23.39	450.1	0.000									
10.	25.06	35.08	23.40	449.2	10.	25.06	35.08	23.40	449.2	0.045									
30. ^Δ	25.02	35.08	23.42	448.8	20.	25.04	35.08	23.41	448.9	0.091									
50. ^Δ	24.98	35.08	23.43	448.5	30.	25.02	35.08	23.42	448.8	0.136									
70.	22.63	35.14	24.17	379.1	50.	24.98	35.08	23.43	448.5	0.186									
101.	21.61	35.20	24.50	348.2	75.	22.83	35.13	24.11	384.8	0.331									
126.	21.13	35.22	24.65	335.1	100.	21.64	35.20	24.49	349.1	0.424									
151.	20.62	35.23	24.79	322.1	150.	20.64	35.23	24.79	322.6	0.593									
177.	19.67	35.10	24.94	308.3	200.	18.51	34.94	25.12	292.0	0.748									
192.	18.90	35.00	25.07	297.0	250.	14.52	34.44	25.66	240.6	0.882									
226.	16.88	34.72	25.35	270.9	300.	11.86	34.18	26.00	208.8	0.995									
252.	14.33	34.42	25.65	238.3	400.	8.73	34.04	26.43	168.1	1.185									
278.	12.96	34.28	25.86	221.8	500.	6.31	34.04	26.77	134.9	1.338									
303.	11.72	34.17	26.02	207.2	600.	5.09	34.14	27.01	112.8	1.463									
404.	8.64	34.04	26.44	166.8	700.	4.61	34.29	27.18	96.7	1.569									
506.	6.19	34.04	26.79	133.2	800.	4.43	34.43	27.31	85.4	1.661									
606.	5.05	34.15	27.02	111.7	1000.	3.94	34.51	27.42	75.4	1.824									
807.	4.43	34.44	27.32	84.7	1200.	3.40	34.54	27.50	68.4	1.970									
1008.	3.92	34.51	27.43	75.3	1500.	2.78	34.58	27.59	60.0	2.165									
1208.	3.38	34.54	27.50	68.2															
1508.	2.76	34.58	27.59	59.9															

CROWELL	P, STATION 19, 20-30N LAT, 150-59W LCNG, SEP. 10, 1964, 1400 G.C.T.	DRY BULB 24.5	WET BULB 20.8	WIND SPEED 22, CIR. 06	WEATHER 02	VIS. 8	CLOUD TYPE , COVER											
DRY BULB 24.5	WET BULB 20.8																	
0.	25.71	34.85	23.03	484.4	0.	25.71	34.85	23.03	484.4	0.000								
10.	25.69	34.86	23.05	483.5	10.	25.69	34.86	23.05	483.5	0.049								
30. ^Δ	25.68	34.86	23.05	484.0	20.	25.68	34.86	23.05	483.6	0.097								
50. ^Δ	25.66	34.86	23.05	484.2	30.	25.68	34.86	23.05	484.0	0.146								
75.	23.26	34.83	23.75	418.6	50.	25.66	34.86	23.05	484.2	0.244								
101.	22.14	34.89	24.12	384.7	75.	23.26	34.83	23.75	418.6	0.357								
126.	21.13	35.00	24.48	351.0	100.	22.17	34.89	24.10	385.8	0.459								
152.	20.09	35.07	24.81	320.1	150.	20.19	35.07	24.79	322.4	0.637								
176.	18.30	34.83	25.09	294.3	200.	16.29	34.55	25.36	269.1	0.786								
192.	17.02	34.64	25.25	278.8	250.	12.80	34.23	25.86	221.3	0.910								
226.	14.11	34.33	25.67	239.6	300.	10.48	34.16	26.23	186.0	1.013								
252.	12.70	34.23	25.88	219.8	400.	7.81	34.13	26.64	147.7	1.181								
277.	11.22	34.17	26.11	197.6	500.	6.88	34.31	26.91	122.5	1.317								
303.	10.41	34.16	26.25	184.8	600.	6.21	34.38	27.06	109.7	1.435								
404.	7.73	34.13	26.65	146.5	700.	5.57	34.42	27.17	99.2	1.540								
505.	6.86	34.32	26.92	121.6	800.	5.02	34.46	27.27	90.6	1.636								
605.	6.18	34.38	27.06	109.2	1000.	4.30	34.51	27.39	80.0	1.809								
806.	4.99	34.46	27.27	90.2	1200.	3.71	34.55	27.48	71.5	1.962								
1008.	4.28	34.51	27.35	79.6	1500.	2.98	34.58	27.57	62.4	2.166								
1208.	3.69	34.55	27.48	71.2														
1508.	2.96	34.58	27.58	62.3														

CROWELL	P, STATION 20, 19- ON LAT, 150-59W LCNG, SEP. 10, 1964, 2300 G.C.T.	DRY BULB 25.7	WET BULB 21.8	WIND SPEED 22, DIR. 05	WEATHER 01	VIS. 8	CLOUD TYPE 8, COVER 2											
DRY BULB 25.7	WET BULB 21.8																	
1.	25.83	34.76	22.93	494.5	0.	25.83	34.76	22.93	494.4	0.000								
11. ^Δ	25.88	34.77	22.92	495.6	10.	25.88	34.77	22.92	495.6	0.050								
30. ^Δ	25.88	34.78	22.93	495.7	20.	25.89	34.78	22.92	495.8	0.100								
50. ^Δ	25.88	34.78	22.93	496.5	30.	25.88	34.78	22.93	495.7	0.150								
75. ^Δ	25.87	34.79	22.94	496.5	50.	25.88	34.78	22.93	496.5	0.250								
99.	23.08	35.01	23.94	401.6	75.	25.87	34.79	22.94	496.5	0.375								
124.	22.40	35.08	24.19	378.9	100.	23.03	35.01	23.96	400.1	0.488								
149.	21.34	35.10	24.50	350.1	150.	21.31	35.10	24.51	349.3	0.676								
173.	20.36	35.06	24.73	328.5	200.	18.51	34.85	25.05	298.5	0.840								
186.	19.41	34.96	24.90	312.3	250.	13.89	34.32	25.71	236.4	0.975								
219.	17.10	34.68	25.26	278.6	300.	10.63	34.14	26.19	190.3	1.082								
244.	14.41	34.37	25.63	243.3	400.	7.08	34.19	26.68	144.1	1.251								
270.	12.39	34.21	25.92	215.9	500.	6.60	34.23	26.89	124.1	1.386								
294.	10.90	34.14	26.14	194.5	600.	6.23	34.37	27.05	110.5	1.505								
391.	8.06	34.19	26.65	146.7	700.	5.71	34.42	27.15	101.0	1.612								
489.	6.66	34.22	26.87	126.0	800.	5.18	34.45	27.24	93.7	1.710								
586.	6.30	34.36	27.03	112.1	1000.	4.41	34.52	27.39	80.2	1.886								
789.	5.23	34.44	27.23	94.5	1200.	3.75	34.56	27.48	71.2	2.039								
976.	4.50	34.52	27.37	81.3														
1171.	3.83	34.54	27.46	73.3														
1466.	3.08	34.58	27.56	63.4														

FROM BT DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL P. STATION 21, 17-31N LAT, 151-3W LCNG, SEP. 11, 1964, CSCO G.C.T.				BAR. 16 WEATHER 02 VIS. 6 CLOUD TYPE , COVER									
CRY BULB 25.4 WET PULSE 22.2 WIND SPEED 20, CIR. 06													
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN.CPTH.	
0.	25.88	34.62			22.81	506.0	0.	25.88	34.62	22.81	506.0	C.CCO	
10.	25.86	34.61			22.80	506.5	10.	25.86	34.61	22.80	506.5	O.051	
30. [△]	25.82	34.60			22.81	506.8	20.	25.84	34.60	22.81	506.7	O.1C2	
50. [△]	25.80	34.60			22.82	507.0	30.	25.82	34.60	22.81	506.8	O.153	
73.	24.10	34.51			23.26	465.2	50.	25.80	34.60	22.82	507.0	O.255	
94.	22.38	34.63			23.85	409.7	75.	23.92	34.52	23.32	459.7	O.377	
118.	21.47	34.81			24.24	373.3	100.	22.08	34.67	23.97	398.7	O.485	
143.	21.06	35.01			24.50	349.1	150.	20.63	34.98	24.60	340.5	O.671	
167.	19.29	34.84			24.84	317.3	200.	16.32	34.54	25.34	270.2	O.825	
180.	18.19	34.75			25.05	297.7	250.	12.00	34.23	26.01	206.6	O.945	
212.	15.16	34.42			25.51	254.5	300.	10.01	34.28	26.41	168.7	1.040	
237.	12.87	34.27			25.87	219.8	400.	7.75	34.23	26.73	139.1	1.195	
262.	11.36	34.22			26.12	196.0	500.	6.61	34.31	26.95	118.7	1.326	
285.	10.48	34.28			26.33	176.8	600.	6.20	34.42	27.09	106.6	1.439	
379.	8.14	34.23			26.67	144.7	700.	5.70	34.45	27.18	98.4	1.543	
475.	6.76	34.28			26.91	122.7	800.	5.20	34.47	27.26	91.9	1.639	
569.	6.36	34.40			27.05	109.7	1000.	4.36	34.52	27.39	80.1	1.813	
761.	5.38	34.46			27.22	94.7	1200.	3.67	34.55	27.48	71.1	1.966	
953.	4.54	34.51			27.36	82.4							
1146.	3.84	34.53			27.45	74.0							
1441.	3.04	34.58			27.57	62.8							

CROMWELL B. STATION 22, 16- ON LAT, 151-3W LCNG, SEP. 11, 1964, CSCO G.C.T.				BAR. 15 WEATHER 01				VIS. 8 CLOUD TYPE B, COVER 5					
CRY BULB 25.7 WET PULSE 22.9 WIND SPEED 22, CIR. 06													
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN.CPTH.	
0.	25.99	34.62			22.77	509.3	0.	25.99	34.62	22.77	509.3	O.000	
10.	26.03	34.62			22.76	510.8	10.	26.03	34.62	22.76	510.8	O.051	
30. [△]	26.03	34.62			22.76	511.6	20.	26.04	34.62	22.76	511.4	O.103	
50. [△]	26.03	34.62			22.76	512.4	30.	26.03	34.62	22.76	511.6	O.154	
75. [△]	25.00	34.62			23.08	489.1	50.	26.03	34.62	22.76	512.4	O.258	
101.	22.52	34.60			23.75	415.9	75.	25.00	34.62	23.08	483.1	O.383	
125.	20.27	34.78			24.54	344.7	100.	22.63	34.60	23.76	418.9	O.497	
149.	17.30	34.62			25.17	285.3	150.	17.20	34.61	25.19	283.5	O.674	
176.	14.72	34.40			25.59	245.6	200.	12.73	34.30	25.93	213.6	O.799	
191.	13.35	34.30			25.80	225.7	250.	10.10	34.31	26.42	167.4	O.895	
224.	11.40	34.36			26.22	185.6	300.	9.51	34.44	26.62	149.1	O.975	
250.	10.10	34.31			26.42	167.4	400.	8.03	34.46	26.87	126.5	1.114	
276.	9.95	34.44			26.54	155.9	500.	6.96	34.47	27.03	111.8	1.234	
300.	9.51	34.44			26.62	149.1	600.	6.28	34.46	27.11	104.5	1.343	
4C1.	8.02	34.46			26.87	126.3	700.	5.63	34.48	27.21	96.0	1.445	
501.	6.95	34.47			27.03	111.7	800.	5.06	34.50	27.29	88.1	1.538	
601.	6.27	34.46			27.11	104.5	1000.	4.30	34.52	27.39	79.1	1.707	
8CC.	5.06	34.50			27.25	88.1	1200.	3.70	34.55	27.48	71.1	1.859	
1000.	4.30	34.52			27.35	79.1							
1199.	3.74	34.56			27.48	71.0							
1452.	3.05	34.58			27.57	63.0							

CROMWELL B. STATION 23, 14-28N LAT, 150-58W LCNG, SEP. 12, 1964, CSCO G.C.T.				BAR. 13 WEATHER 01				VIS. 8 CLOUD TYPE B, COVER 2					
CRY BULB 26.8 WET PULSE 24.9 WIND SPEED 20, CIR. 06													
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN.CPTH.	
0.	26.32	34.60			22.65	520.2	0.	26.32	34.60	22.65	520.5	O.000	
11.	26.36	34.60			22.64	522.2	10.	26.36	34.60	22.64	522.1	O.053	
30. [△]	26.30	34.61			22.67	520.4	20.	26.34	34.60	22.65	521.7	O.105	
50. [△]	26.26	34.62			22.65	519.3	30.	26.30	34.61	22.67	520.4	O.158	
75. [△]	25.50	34.63			22.53	497.0	50.	26.26	34.62	22.69	519.3	O.262	
100.	22.95	34.73			23.76	418.3	75.	25.50	34.63	22.93	497.0	O.390	
124.	21.38	35.06			24.46	353.1	100.	22.95	34.73	23.76	418.3	O.506	
156.	18.93	34.92			25.00	302.1	150.	18.93	34.92	25.00	302.1	O.687	
175.	15.80	34.52			25.44	259.8	200.	12.45	34.29	25.97	209.2	O.816	
188.	13.50	34.30			25.77	228.6	250.	10.42	34.43	26.45	164.0	O.910	
222.	11.56	34.42			26.24	184.0	300.	9.96	34.56	26.64	147.6	C.989	
246.	10.44	34.42			26.44	165.0	400.	8.60	34.52	26.82	130.8	1.129	
273.	10.32	34.53			26.55	155.4	500.	7.46	34.50	26.98	116.9	1.254	
299.	9.97	34.56			26.63	147.9	600.	6.64	34.50	27.10	106.6	1.367	
397.	8.64	34.52			26.82	131.3	700.	5.85	34.50	27.20	97.3	1.470	
495.	7.51	34.50			26.57	117.4	800.	5.17	34.50	27.28	89.4	1.564	
594.	6.69	34.50			27.09	107.2	1000.	4.26	34.52	27.40	78.4	1.734	
791.	5.22	34.50			27.27	90.0	1200.	3.58	34.55	27.50	69.5	1.884	
989.	4.30	34.52			27.35	79.0							
1186.	3.66	34.56			27.49	69.9							
1482.	2.92	34.59			27.59	60.9							

TEMPERATURE ERROR TERM AT 200. METERS IS 0.20

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA														
CROMWELL CRY BULB 26.0	B, STATION 24, 12-57N LAT, 151-1W LONG, SEP. 12, 1964, 1200 G.C.T.	WET BULB 24.4	WIND SPEED 10, CIR. C3	BAR. 13	WEATHER 02	VIS. 8	CLOUD TYPE	COVER	DEPTH	TEMP.	SAL.	OXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	OYN.CPTH.	
0.	26.56	33.58				21.81	601.2	0.000	0.	26.56	33.58			21.81	601.2	0.	26.56	33.58	21.81	601.2	0.000	
10.	26.65	32.63				21.82	600.7	0.061	10.	26.65	33.63			21.82	600.7	0.061	10.	26.65	33.63	21.82	600.7	0.061
20.	26.65	33.65				21.84	599.6	0.121	20.	26.65	33.65			21.84	599.6	0.121	20.	26.65	33.65	21.84	599.6	0.121
30.	26.64	33.68				21.86	597.6	0.181	30.	26.64	33.68			21.86	597.6	0.181	30.	26.64	33.68	21.86	597.6	0.181
51.	22.88	34.66				23.73	419.5	0.242	50.	23.09	34.61			23.63	429.1	0.285	50.	23.09	34.61	23.63	429.1	0.285
77.	21.51	34.90				24.30	366.4	0.385	75.	21.57	34.90			24.28	367.6	0.385	75.	21.57	34.90	24.28	367.6	0.385
102.	19.32	35.00				24.96	304.2	0.470	100.	19.56	35.01			24.90	309.6	0.470	100.	19.56	35.01	24.90	309.6	0.470
127.	14.22	34.35				25.66	237.7	0.599	150.	12.12	34.31			26.05	200.2	0.599	150.	12.12	34.31	26.05	200.2	0.599
152.	12.03	34.33				26.08	197.5	0.690	200.	11.45	34.70			26.48	160.7	0.690	200.	11.45	34.70	26.48	160.7	0.690
177.	11.71	34.65				26.35	168.8	0.767	250.	10.46	34.66			26.63	147.5	0.767	250.	10.46	34.66	26.63	147.5	0.767
192.	11.58	34.70				26.45	163.1	0.839	300.	9.61	34.62			26.74	137.7	0.839	300.	9.61	34.62	26.74	137.7	0.839
226.	10.94	34.68				26.56	154.0	0.971	400.	8.43	34.57			26.89	124.1	0.971	400.	8.43	34.57	26.89	124.1	0.971
253.	10.40	34.66				26.64	146.8	1.091	500.	7.33	34.54			27.03	111.9	1.091	500.	7.33	34.54	27.03	111.9	1.091
279.	9.92	34.61				26.68	142.9	1.199	600.	6.43	34.52			27.14	102.1	1.199	600.	6.43	34.52	27.14	102.1	1.199
304.	9.55	34.62				26.75	136.6	1.298	700.	5.72	34.52			27.23	94.0	1.298	700.	5.72	34.52	27.23	94.0	1.298
405.	8.38	34.57				26.90	123.7	1.389	800.	5.15	34.53			27.31	87.1	1.389	800.	5.15	34.53	27.31	87.1	1.389
506.	7.27	34.54				27.04	111.2	1.554	1000.	4.23	34.55			27.42	76.1	1.554	1000.	4.23	34.55	27.42	76.1	1.554
607.	6.37	34.52				27.15	101.5	1.700	1200.	3.61	34.58			27.51	68.1	1.700	1200.	3.61	34.58	27.51	68.1	1.700
808.	5.11	34.53				27.31	86.6															
1009.	4.20	34.55				27.42	75.7															
1209.	3.59	34.58				27.52	67.8															
1478.	2.87	34.62				27.62	58.1															

CROMWELL DRY BULB 27.2	B, STATION 25, 11-27N LAT, 151-0W LONG, SEP. 12, 1964, 2100 G.C.T.	WET BULB 24.0	WIND SPEED 08, DIR. 21	BAR. 15	WEATHER 02	VIS. 9	CLOUD TYPE 1, COVER 3														
0.	27.21	33.27				21.37	643.2	0.	27.21	33.27	21.37			643.2	0.000	0.	27.21	33.27	21.37	643.2	0.000
10.	26.89	33.29				21.49	632.4	0.064	10.	26.89	33.29	21.49		632.4	0.064	0.	26.89	33.29	21.49	632.4	0.064
20.	26.84	33.31				21.52	629.9	0.128	20.	26.84	33.31	21.52		629.9	0.128	0.	26.84	33.31	21.52	629.9	0.128
30.	25.80	33.61				22.07	577.5	0.189	30.	25.80	33.61	22.07		577.5	0.189	0.	25.80	33.61	22.07	577.5	0.189
51.	14.26	34.39				25.68	233.4	0.272	50.	14.85	34.36	25.53		247.9	0.272	0.	14.85	34.36	25.53	247.9	0.272
77.	12.00	34.44				26.17	187.0	0.371	75.	11.91	34.45	26.20		184.4	0.326	0.	11.91	34.45	26.20	184.4	0.326
101.	11.47	34.59				26.39	167.0	0.450	100.	11.48	34.58	26.38		167.6	0.371	0.	11.48	34.58	26.38	167.6	0.371
126.	10.98	34.66				26.53	153.9	0.450	150.	10.62	34.66	26.60		148.0	0.450	0.	10.62	34.66	26.60	148.0	0.450
152.	10.59	34.66				26.60	147.7	0.522	200.	9.98	34.65	26.70		139.0	0.522	0.	9.98	34.65	26.70	139.0	0.522
178.	10.29	34.66				26.66	143.2	0.591	250.	9.50	34.64	26.77		133.4	0.591	0.	9.50	34.64	26.77	133.4	0.591
192.	10.08	34.66				26.69	140.0	0.657	300.	9.98	34.61	26.84		127.8	0.657	0.	9.98	34.61	26.84	127.8	0.657
226.	9.70	34.63				26.73	136.7	0.779	400.	7.66	34.56	27.00		113.5	0.779	0.	7.66	34.56	27.00	113.5	0.779
252.	9.49	34.66				26.78	133.1	0.888	500.	6.67	34.54	27.12		102.6	0.888	0.	6.67	34.54	27.12	102.6	0.888
278.	9.28	34.64				26.81	130.3	0.987	600.	5.85	34.52	27.21		94.3	0.987	0.	5.85	34.52	27.21	94.3	0.987
303.	8.93	34.61				26.84	127.4	1.079	700.	5.23	34.53	27.30		87.0	1.079	0.	5.23	34.53	27.30	87.0	1.079
404.	7.61	34.56				27.01	112.9	1.164	800.	4.76	34.55	27.37		80.7	1.164	0.	4.76	34.55	27.37	80.7	1.164
505.	6.63	34.54				27.13	102.1	1.318	1000.	4.04	34.57	27.46		72.3	1.318	0.	4.04	34.57	27.46	72.3	1.318
605.	5.81	34.52				27.22	93.9	1.458	1200.	3.45	34.59	27.54		65.3	1.458	0.	3.45	34.59	27.54	65.3	1.458
806.	4.74	34.55				27.37	80.4														
1008.	4.02	34.57				27.46	72.0														
1208.	3.43	34.59				27.54	65.1														
198.	2.80	34.62				27.62	57.3														

TEMPERATURE ERROR TERM AT 50. METERS IS 0.16
 TEMPERATURE ERROR TERM AT 75. METERS IS 0.14

CROMWELL DRY BULB 26.9	B, STATION 26, 9-58N LAT, 147-58W LONG, SEP. 13, 1964, 1600 G.C.T.	WET BULB 24.3	WIND SPEED 13, CIR. C5	BAR. 13	WEATHER 02	VIS. 7	CLOUD TYPE 8, COVER 2
0.	27.20	32.99	0.34	21.16	663.8	21.16	663.8 0.000
9.	27.27	33.10	0.39	21.23	657.7	21.23	656.8 0.067
20.	27.20	33.22		21.34	647.3	21.34	647.3 0.132
30.	27.09	33.33		21.46	636.1	21.46	636.1 0.197
38.	23.72	34.47	0.55	23.34	456.0	22.16	23.91 0.301
47.	22.47	34.63	0.50	23.83	410.4	14.19	34.40 0.381
56.	21.16	34.59	0.53	24.16	378.9	100.	12.60 0.435
65.	17.67	34.47	1.12	24.98	300.9	11.23	34.73 0.523
71.	15.06	34.42	1.09	25.53	248.3	200.	10.75 0.599
96.	12.77	34.44	1.63	26.02	201.8	250.	10.29 0.671
119.	12.05	34.66	0.64	26.33	172.8	300.	9.88 0.740
143.	11.34	34.72	0.43	26.51	156.2	400.	9.18 0.874
181.	10.93	34.74	0.41	26.66	148.6	500.	8.46 1.000
238.	10.40	34.72	2.66	26.68	142.0	600.	7.46 1.118
286.	9.99	34.72	0.42	26.75	136.2	700.	6.50 1.227
381.	9.30	34.67	0.41	26.83	130.4	800.	5.71 1.326
477.	8.67	34.66	0.40	26.92	123.0	1000.	4.70 1.504
572.	7.75	34.59	0.36	26.06	27.01	115.6	3.96 1.660
764.	5.95	34.54	0.63	24.90	27.22	96.4	
956.	4.89	34.55	1.00	3.23	27.35	83.9	
1148.	4.17	34.58	1.38	3.22	27.46	74.4	
1441.	3.36	34.59	1.67	3.10	27.55	66.0	

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA			
CROMWELL DRY BULB	P. STATION 27. 11-30N LAT.	148° 3W LNGN.	SEP. 14, 1964, 0100 G.C.T.								
DRY BULB 24.6	WET BULB 27.0	WIND SPEED 16, DIR. C5	BAR. 12	WEATHER 02	VIS. 8	CLOUD TYPE 8,	COVER 2				
DEPTH △	TEMP.	SAL.	EXY.	PC4-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	DYN. OPTH.
0.	27.20	33.10			21.25	655.2	0.	27.20	33.10	21.25	655.2 0.000
10.	27.07	33.12	4.81	0.26	21.30	650.1	10.	27.07	33.12	21.30	650.1 0.066
20.△	26.00	33.68			22.06	578.0	20.	26.00	33.68	22.06	578.0 0.128
26.	24.03	34.37	5.14	0.40	23.18	471.5	30.	22.61	34.53	23.71	420.7 0.178
36.	20.64	34.58	4.90	0.55	24.29	365.4	50.	17.88	34.68	25.08	290.8 0.250
51.	17.73	34.68	4.32	0.74	25.11	287.7	75.	14.24	34.46	25.74	228.7 0.315
61.	16.06	34.53	3.50	1.09	25.35	261.3	100.	12.23	34.67	26.30	175.3 0.366
76.	14.13	34.46	1.89	2.12	25.76	226.4	150.	10.98	34.70	26.56	151.7 0.448
93.	12.46	34.62	C.44	2.25	26.22	182.7	200.	10.54	34.70	26.64	145.0 0.523
103.	12.17	34.68	0.27		26.33	173.1	250.	10.09	34.70	26.72	138.8 C.595
126.	11.37	34.69	C.48	2.70	26.49	158.5	300.	9.71	34.68	26.77	134.6 0.664
178.	10.76	34.70	0.24	2.77	26.60	148.3	400.	8.87	34.64	26.88	125.9 0.795
226.	10.31	34.70	C.34	2.70	26.68	141.7	500.	7.99	34.58	26.97	118.5 C.918
278.	9.86	34.65	C.37	2.69	26.75	136.0	600.	7.02	34.55	27.08	108.2 1.033
304.	9.68	34.68	0.34	2.81	26.78	134.3	700.	6.18	34.53	27.18	99.1 1.138
404.	8.83	34.64	0.31	2.86	26.88	125.6	800.	5.50	34.53	27.27	91.5 1.234
505.	7.94	34.58	C.35	3.10	26.97	118.1	1000.	4.59	34.55	27.39	80.6 1.408
605.	6.97	34.55	0.42	3.29	27.09	107.7	1200.	3.91	34.58	27.48	71.8 1.562
808.	5.45	34.53	0.63	3.58	27.27	91.0	1500.	3.09	34.62	27.59	60.9 1.764
1008.	4.56	34.55	1.17	3.59	27.35	80.2					
1208.	3.89	34.58	1.43	3.19	27.49	71.4					
1508.	3.07	34.62	1.80	3.15	27.60	60.7					

CROMWELL		P.	STATION	28° 13' - 3N LAT.	148° 1W LENG.	SEP. 14, 1964, 1100 G.C.T.						
CRY BULB	25.2		WET BULB	24.2	WIND SPEED 24, CIR. CT	BAR. 15	WEATHER 02	15. 6	CLOUD TYPE	COVER		
DEPTH.	TEMP.	SAL.	EXY.	PO4-P	SIGMA-T	DELTA	DEPTH.	TEMP.	SAL.	SIGMA-T	DELTA	SYN.OPTH.
C. ^Δ	26.96	33.40			21.55	626.2	0.	26.96	33.40	21.55	626.2	0.000
1C.	26.96	33.40	4.92	0.22	21.55	626.6	1C.	26.96	33.40	21.55	626.6	0.663
20. ^Δ	26.91	33.52			21.66	616.9	20.	26.91	33.52	21.66	616.9	0.126
25.	26.90	33.54	4.89	0.29	21.67	615.3	30.	26.00	33.92	22.24	561.1	0.185
30. ^Δ	26.00	32.92			22.24	561.1	5C.	26.32	34.76	24.51	344.8	0.276
38.	23.42	34.40	5.31	0.49	23.38	452.7	75.	16.81	34.52	25.21	279.3	0.355
51.	20.13	34.77	5.18	0.35	24.57	339.3	100.	12.70	34.26	25.90	214.1	0.417
61.	19.28	34.74	4.80	0.64	24.77	320.7	150.	11.29	34.60	26.43	164.4	0.512
77.	16.41	34.48	3.67	1.16	25.27	273.1	200.	10.42	34.67	26.64	145.2	0.590
92.	14.11	34.34	3.58	1.23	25.67	235.2	25C.	9.88	34.66	26.73	137.9	0.662
102.	12.38	34.24	3.02	1.45	25.95	209.3	300.	9.20	34.63	26.81	130.5	0.729
127.	11.81	34.48	1.05	2.37	26.24	181.8	400.	7.95	34.56	26.96	117.8	0.855
178.	10.73	34.66	0.27	2.70	26.58	150.7	500.	7.00	34.52	27.06	108.6	0.969
226.	10.12	34.66	0.17	2.66	26.65	141.4	600.	6.21	34.52	27.17	99.3	1.076
279.	9.54	34.65	0.20	2.72	26.78	133.7	700.	5.60	34.53	27.25	91.8	1.170
304.	9.13	34.62	0.17	2.39	26.82	129.9	800.	5.10	34.54	27.32	85.7	1.260
405.	7.90	34.56	0.44	2.54	26.96	117.2	1000.	4.21	34.56	27.43	75.1	1.423
506.	6.95	34.52	0.44	3.22	27.07	108.1	1200.	3.61	34.58	27.51	68.0	1.568
607.	6.16	34.52	0.51	2.99	27.17	98.6	1500.	2.92	34.61	27.60	59.6	1.762
809.	5.06	34.54	0.74		27.33	85.2						
1009.	4.18	34.56	1.21	3.15	27.44	74.7						
1209.	3.59	34.58	1.49	3.41	27.52	67.8						
1509.	2.91	34.61	1.84	3.12	27.60	59.5						

CROMWELL CRY BULB 26.3		8. STATION WET BULE	29. 14-28N LAT.	147-58W LONG.	SEP. 14, 1964, 1900 G.C.T.				
		24.8	WIND SPEED 20,	CIR. EC	BAR. 16	WEATHER 02	VIS. 8	CLDCT TYPE 8,	COVER 4
DEPTH.	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	CELT	DEPTH.	TEMP.	SAL.
C _Δ	26.78	33.73			21.85	597.0	C.	26.78	33.73
10. _Δ	26.67	33.74	4.85	1.20	21.90	593.4	1C.	26.67	33.74
30. _Δ	26.58	33.76			21.94	590.0	20.	26.83	33.73
61.	19.54	34.56	4.60		24.57	340.1	30.	26.58	33.76
68.	16.30	34.42	3.08	1.44	25.25	274.8	50.	23.20	34.36
77.	14.57	34.37	2.49	1.50	25.60	241.9	75.	14.80	34.37
86.	13.74	34.35	2.24	1.91	25.76	226.9	100.	12.45	34.36
94.	12.91	34.32	2.12	1.95	25.90	213.2	15C.	10.33	34.45
102.	12.32	34.38	1.69	2.55	26.07	197.9	200.	9.89	34.57
127.	11.49	34.52	C.79		26.33	173.2	250.	8.79	34.47
153.	10.19	34.44	1.20		26.50	157.2	300.	8.16	34.47
192.	10.04	34.58	C.38	3.71	26.64	145.3	40C.	7.52	34.52
253.	8.72	34.46	0.53	3.49	26.76	134.3	50C.	6.84	34.50
279.	8.33	34.45	0.52	3.70	26.81	129.6	60C.	6.10	34.50
304.	8.14	34.48	0.42	2.92	26.87	124.9	70C.	5.52	34.51
404.	7.50	34.52	C.42	2.88	26.99	114.3	80C.	5.04	34.52
507.	6.79	34.50	C.52		27.07	107.3	100C.	4.19	34.56
607.	6.05	34.50	0.62	2.90	27.17	98.6	1200.	3.60	34.57
807.	5.01	34.52	C.68	3.41	27.32	86.0			
1007.	4.16	34.56	1.06	3.20	27.44	74.5			
1207.	3.58	34.57	1.41	3.40	27.51	68.4			
1495.	2.85	34.60	1.72	3.10	27.60	59.4			

TEMPERATURE ERROR TERM AT 20. METERS IS 0.15
 TEMPERATURE ERROR TERM AT 50. METERS IS 0.13
 SALINITY ERROR TERM AT 50. METERS IS 0.12

Table 1.--Continued

ORIGINAL DATA					DERIVED DATA				INTERPOLATED DATA				
CROMWELL DRY BULB 26.5		STATION WET BULB 23.7		30° 10' 0" LAT, 148° 3W LONG, SEP. 15, 1964, 0400 G.C.T.	WIND SPEED 20, DIR. 08	BAR. 15	WEATHER 02	VIS. 8	CLOUD TYPE 8, COVER 4				
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN-OPTH.	
0.	26.39	34.00	3.09	0.54	22.26	558.6	0.	26.39	34.10	22.26	558.6	0.000	
10.	26.35	34.09	4.00	0.24	22.26	558.6	10.	26.35	34.09	22.26	558.6	0.056	
30. ^A	26.24	34.04			22.29	556.1	20.	26.30	34.09	22.28	557.5	0.112	
50. ^A	26.16	34.11			22.33	553.7	30.	26.24	34.09	22.29	556.1	0.169	
76.	22.50	34.66	5.11	0.52	23.84	410.1	50.	26.16	34.10	22.33	553.7	0.280	
101.	20.41	34.75	4.02	0.45	24.35	362.4	75.	22.66	34.64	23.78	416.1	0.402	
126.	18.63	34.76	4.24	0.72	24.95	305.6	100.	20.96	34.75	24.33	363.6	0.501	
150.	15.91	34.51	4.00	0.56	25.41	262.2	150.	15.91	34.51	25.41	262.2	0.658	
175.	13.16	34.24	3.17	1.56	25.79	226.0	200.	11.80	34.23	26.05	201.7	0.775	
191.	12.06	34.16	3.26	1.43	25.95	211.5	250.	11.03	34.63	26.50	159.9	0.866	
224.	11.52	34.91	0.90	2.62	26.32	176.7	300.	10.65	34.67	26.60	151.2	0.945	
251.	11.01	34.63	0.40	2.56	26.50	159.5	400.	9.55	34.64	26.77	137.1	1.090	
277.	10.94	34.68	0.19	2.76	26.56	155.2	500.	8.56	34.60	26.90	126.0	1.223	
301.	10.63	34.67	0.16	2.70	26.60	151.1	600.	7.37	34.52	27.01	115.5	1.345	
401.	9.54	34.64	0.27	2.56	26.71	137.0	700.	6.51	34.50	27.11	106.2	1.457	
503.	8.53	34.60	0.35	3.10	26.90	125.7	800.	5.84	34.51	27.21	97.6	1.560	
602.	7.35	34.52	0.41	2.82	27.01	115.3	1000.	4.65	34.52	27.36	83.6	1.744	
802.	5.83	34.91	0.62	3.34	27.21	97.5	1200.	3.90	34.54	27.45	74.5	1.904	
1001.	4.65	34.52	0.77	3.41	27.36	83.5	1500.	3.06	34.58	27.57	63.4	2.113	
1201.	3.90	34.54	1.08	2.93	27.45	74.5							
1500.	3.06	34.58	1.44	2.78	27.57	63.4							

CROMWELL DRY BULB 25.0		STATION WET BULB 22.8		31, 17-28N LAT, 147-59W LONG, SEP. 15, 1964, 1400 G.C.T.	WIND SPEED 20, DIR. C6	BAR. 16	WEATHER 02	VIS. 8	CLOUD TYPE , COVER				
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN-OPTH.	
0.	25.70	34.56	4.73	0.52	22.82	505.0	0.	25.70	34.56	22.82	505.0	0.000	
10. ^A	25.68	34.56	4.86	0.63	22.82	504.8	10.	25.68	34.56	22.82	504.8	0.051	
30. ^A	25.68	34.56			22.82	505.6	20.	25.69	34.56	22.82	505.6	0.102	
50. ^A	25.42	34.56			22.96	498.7	30.	25.68	34.56	22.82	505.6	0.153	
77.	23.39	34.79	5.15	0.41	23.68	425.2	50.	25.42	34.56	22.90	498.7	0.254	
99.	22.18	34.82	5.10	0.40	24.05	391.8	75.	23.56	34.77	23.62	431.3	0.371	
124.	21.20	35.01	4.94	0.27	24.47	352.0	100.	22.13	34.83	24.07	389.1	0.474	
151.	20.39	35.04	4.66	0.54	24.71	329.9	150.	20.43	35.04	24.70	330.6	0.656	
177.	18.80	34.88	4.31	0.51	25.00	302.8	200.	16.87	34.62	25.28	276.7	0.809	
191.	17.76	34.74	4.17	1.38	25.15	288.6	250.	12.23	34.18	25.93	214.6	0.933	
223.	14.49	34.35	3.68	1.36	25.60	245.6	300.	10.44	34.31	26.36	174.2	1.031	
250.	12.23	34.18	3.24	1.58	25.93	214.6	400.	8.94	34.47	26.73	139.7	1.189	
276.	11.19	34.19	2.78	2.07	26.13	195.5	500.	7.69	34.47	26.92	122.3	1.321	
302.	10.38	34.32	1.85	2.46	26.36	172.5	600.	6.82	34.47	27.05	111.3	1.439	
402.	8.92	34.47	0.48	26.74	139.5	700.	6.09	34.48	27.15	101.7	1.547		
502.	7.67	34.47	0.37	3.22	26.93	122.1	800.	5.48	34.50	27.24	93.5	1.645	
604.	6.79	34.47	0.37	3.43	27.05	111.0	1000.	4.61	34.52	27.36	83.0	1.824	
803.	5.46	34.50	0.56	3.56	27.25	93.3	1200.	3.92	34.54	27.45	74.7	1.984	
1002.	4.60	34.52	0.79	3.29	27.36	82.9	1500.	3.06	34.58	27.57	63.4	2.194	
1201.	3.92	34.54	1.06	3.45	27.45	74.7	2000.	2.23	34.63	27.68	52.2	2.488	
1500.	3.06	34.58	1.44	3.26	27.57	63.4	2500.	1.83	34.66	27.73	47.1	2.741	
1989.	2.24	34.63	2.02	2.80	27.68	52.4	3000.	1.64	34.68	27.77	44.7	2.975	
2487.	1.84	34.66	2.50	2.51	27.73	47.2	4000.	1.44	34.70	27.79	43.5	3.427	
2985.	1.64	34.68	2.87	2.75	27.76	44.7							
3994.	1.46	34.69	3.54	2.31	27.75	44.2							
4951.	1.45	34.70	3.89	2.48	27.75	45.9							

CROMWELL DRY BULB 26.7		STATION WET PLLB 23.1		32, 19- ON LAT, 147-54W LONG, SEP. 16, 1964, CICO G.C.T.	WIND SPEED 16, DIR. C5	BAR. 17	WEATHER 02	VIS. 8	CLOUD TYPE 8, COVER 5				
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN-OPTH.	
1.	25.57	34.77	4.80	0.29	23.01	486.1	0.	25.57	34.77	23.01	486.0	0.000	
10. ^A	25.52	34.76	4.82	0.29	23.02	485.7	10.	25.52	34.76	23.02	485.7	0.049	
30. ^A	25.38	34.74			23.05	483.8	20.	25.45	34.75	23.04	484.8	0.098	
50. ^A	25.32	34.74			23.07	482.8	30.	25.38	34.74	23.05	483.8	0.147	
75.	24.00	34.78	5.09	0.29	23.56	443.0	50.	25.32	34.74	23.07	482.8	0.244	
100.	22.71	34.94	5.04	0.26	23.95	396.5	75.	24.00	34.78	23.50	443.0	0.361	
125.	22.26	35.08	4.96	0.19	24.23	375.2	100.	22.71	34.94	23.99	396.5	0.466	
150.	21.58	35.17	4.82	0.36	24.48	351.4	150.	21.58	35.17	24.48	351.4	0.655	
174.	20.36	35.02	4.63	0.44	24.70	331.4	200.	18.56	34.88	25.06	297.7	0.818	
187.	19.70	35.01	4.50	0.56	24.87	315.9	250.	14.52	34.42	25.65	241.7	0.954	
221.	16.55	34.62	4.00	0.83	25.35	270.5	300.	11.08	34.15	26.12	196.6	1.065	
247.	14.82	34.46	4.38	0.77	25.61	245.4	400.	7.98	34.12	26.61	150.6	1.240	
272.	12.40	34.19	3.93	1.97	25.90	217.6	500.	6.71	34.21	26.86	127.5	1.381	
295.	11.29	34.16	3.49	1.52	26.09	200.0	600.	6.06	34.33	27.04	111.4	1.501	
393.	8.12	34.12	2.70	2.24	26.59	152.8	700.	5.48	34.40	27.17	99.6	1.668	
491.	6.79	34.20	1.40	2.86	26.84	129.3	800.	4.99	34.45	27.26	91.1	1.704	
591.	6.12	34.32	0.67	3.10	27.02	112.7	1000.	4.31	34.51	27.38	80.2	1.878	
783.	5.06	34.44	0.90	3.24	27.25	92.3	1200.	3.68	34.55	27.48	71.2	2.031	
978.	4.38	34.50	1.07	3.28	27.37	81.3							
1174.	3.75	34.54	1.18	3.20	27.47	72.4							
1420.	3.08	34.58	1.42	3.20	27.56	63.1							

TEMPERATURE ERROR TEMP AT 200. METERS IS 0.12

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL	B, STATION	33, 20-33N LAT,	147-56W LNG.	SEP. 16, 1964, 1100 G.C.T.				BAR. 15	WEATHER 02	VIS. B	CLCUC	TYPE	, COVER		
DRY BULB 24.2	WET BULB 21.7	WIND SPEED 14, DIR. CS													
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN.DPTH.			
C.	25.21	34.80	4.82	0.67	23.15	473.3	0.	25.21	34.80	23.15	473.3	0.000			
5.	25.27	34.80	4.82	0.39	23.12	475.4	1C.	25.27	34.80	23.13	475.5	0.048			
3C. [△]	25.22	34.80			23.14	474.8	2C.	25.26	34.80	23.13	475.6	0.096			
5C. [△]	25.16	34.80			23.16	473.8	3C.	25.22	34.80	23.14	474.8	0.144			
75.	25.12	34.80			23.17	473.7	5C.	25.16	34.80	23.16	473.8	0.239			
1CC.	22.84	34.97	5.06		23.98	397.9	75.	25.12	34.80	23.17	473.7	0.358			
124.	22.22	35.12	4.96	0.26	24.32	365.8	100.	22.84	34.97	23.98	397.9	0.468			
15C.	20.50	35.04	4.62	0.67	24.68	332.7	15C.	20.50	35.04	24.68	332.7	0.652			
175.	19.20	34.94	4.16	0.47	24.94	308.2	200.	17.82	34.79	25.17	286.9	0.808			
191.	18.40	34.88	4.30	0.71	25.08	295.1	25C.	14.33	34.40	25.67	239.7	0.941			
225.	16.06	34.57	4.10	1.08	25.42	263.4	30C.	11.48	34.15	26.05	204.2	1.053			
250.	14.33	34.40	4.43	1.72	25.67	239.7	400.	8.05	34.04	26.53	157.8	1.236			
277.	12.54	34.22	4.64	1.28	25.90	218.2	500.	6.19	34.07	26.81	131.1	1.382			
300.	11.48	34.15	4.73		26.05	204.2	600.	5.46	34.25	27.05	109.1	1.503			
400.	8.05	34.04	3.54	1.73	26.53	157.8	700.	5.04	34.38	27.20	95.4	1.606			
502.	6.17	34.07	1.83	2.65	26.82	130.6	800.	4.74	34.46	27.30	87.1	1.698			
603.	5.45	34.26	0.75	3.25	27.06	108.5	1000.	4.13	34.51	27.40	77.8	1.865			
803.	4.73	34.46	0.80	3.10	27.30	86.9	1200.	3.59	34.54	27.48	70.6	2.016			
1004.	4.12	34.51	0.98	3.58	27.41	77.6									
1203.	3.58	34.54	1.15	3.06	27.48	70.5									
1429.	2.95	34.56	1.49	3.28	27.56	63.1									
CROMWELL				B, STATION 34, 22- ON LAT, 147-56W LNG, SEP. 16, 1964, 1900 G.C.T.				INTERPOLATED DATA							
DRY BULB 23.0				WET BULB 21.3				CLCUC TYPE 6, COVER 7							
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN.DPTH.			
C.	25.35	34.88	4.72		23.16	471.6	C.	25.35	34.88	23.16	471.6	0.000			
1C. [△]	25.35	34.89	4.85	0.28	23.17	471.3	1C.	25.35	34.89	23.17	471.3	0.047			
3C. [△]	25.35	34.89			23.17	472.1	2C.	25.38	34.89	23.16	472.9	0.095			
50.	24.80	34.96	4.91	0.25	23.39	451.9	30.	25.35	34.89	23.17	472.1	0.143			
76.	23.90	34.89	5.07	0.16	23.61	432.3	5C.	24.80	34.96	23.39	451.9	0.236			
102.	22.11	35.12	5.18	0.15	24.30	367.4	75.	23.94	34.89	23.60	433.4	0.347			
126.	21.34	35.20	5.04	0.76	24.57	342.1	100.	22.25	35.10	24.24	372.4	0.449			
152.	20.45	35.12	4.78	0.57	24.75	329.7	150.	20.53	35.13	24.74	326.9	0.625			
177.	19.16	35.00	4.53	0.24	25.00	302.9	200.	17.53	34.76	25.22	282.3	0.778			
192.	18.12	34.84	4.43	0.41	25.14	289.9	25C.	13.67	34.28	25.72	235.4	0.909			
226.	15.55	34.50	4.36	0.97	25.48	257.4	300.	10.72	34.11	26.15	193.6	1.017			
252.	13.52	34.26	4.00	0.72	25.73	233.6	400.	7.92	34.07	26.58	153.7	1.192			
279.	11.80	34.14	4.11	1.23	25.98	210.3	500.	6.04	34.10	26.85	127.1	1.334			
304.	10.54	34.11	3.79	1.70	26.18	190.7	600.	5.44	34.26	27.06	108.6	1.453			
404.	7.86	34.07	3.16	2.42	26.59	152.8	700.	5.00	34.37	27.20	96.0	1.556			
506.	5.96	34.10	1.59	2.64	26.87	125.7	800.	4.61	34.44	27.29	87.1	1.649			
607.	5.43	34.27	0.73	3.50	27.07	107.6	1000.	4.04	34.52	27.42	76.1	1.814			
808.	4.58	34.44	0.86	3.21	27.30	86.6	1200.	3.45	34.55	27.50	68.3	1.960			
1009.	4.02	34.52	1.10	3.29	27.42	75.7	1500.	2.82	34.60	27.60	59.2	2.154			
1210.	3.42	34.55	1.35	3.10	27.51	67.9									
1508.	2.81	34.60	1.59		27.60	59.0									
CROMWELL				B, STATION 35, 23-27N LAT, 147-59W LNG, SEP. 17, 1964, 0400 G.C.T.				INTERPOLATED DATA							
DRY BULB 24.3				WET BULB 20.5				CLCUC TYPE 8, COVER 2							
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN.DPTH.			
C.	24.80	35.20	4.90	0.34	23.57	432.6	C.	24.80	35.20	23.57	432.6	0.000			
1C. [△]	24.81	35.21	4.92	0.29	23.58	432.6	10C.	24.81	35.21	23.58	432.6	0.044			
3C. [△]	24.81	35.21			23.58	433.4	20C.	24.81	35.21	23.58	432.9	0.087			
50. [△]	24.81	35.21			23.58	434.2	30C.	24.81	35.21	23.58	433.4	0.131			
76.	21.60	35.27	4.96	0.28	24.55	342.0	50C.	24.81	35.21	23.58	434.2	0.218			
101.	20.98	35.28	4.96	0.18	24.73	326.0	75.	21.73	35.27	24.52	345.7	0.316			
126.	20.36	35.23	4.83	0.24	24.86	314.5	10C.	20.98	35.28	24.73	325.9	0.401			
152.	19.43	35.11	4.75	0.32	25.01	300.7	15C.	19.52	35.12	25.00	301.9	0.559			
179.	17.92	34.86	4.55	0.60	25.20	283.3	20C.	16.38	34.63	25.39	265.5	0.702			
193.	16.87	34.70	4.59	0.56	25.33	271.1	25C.	12.90	34.23	25.84	223.6	0.825			
226.	14.61	34.40	4.21	0.86	25.61	244.8	30C.	10.66	34.12	26.17	191.8	0.930			
252.	12.77	34.22	4.29	1.03	25.85	221.9	40C.	8.21	34.04	26.51	160.0	1.108			
279.	11.31	34.14	4.62	1.20	26.07	201.4	500.	6.16	34.03	26.79	133.6	1.256			
304.	10.56	34.12	4.73	1.24	26.19	190.3	600.	5.07	34.12	26.99	114.0	1.381			
404.	8.13	34.04	3.60	1.94	26.52	159.0	70C.	4.60	34.25	27.15	99.5	1.489			
505.	6.08	34.03	2.05	3.25	26.80	132.5	800.	4.40	34.38	27.27	88.7	1.584			
607.	5.02	34.13	1.63	3.18	27.01	112.8	1000.	3.91	34.50	27.42	76.0	1.751			
808.	4.35	34.39	0.77	3.20	27.28	88.0	1200.	3.42	34.53	27.49	69.4	1.898			
1009.	3.89	34.50	1.14	3.24	27.42	75.6	1500.	2.82	34.58	27.59	60.5	2.095			
1209.	3.40	34.53	1.35	3.52	27.49	69.2									
1509.	2.80	34.58	1.62	2.88	27.59	60.3									

FROM BT DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL DRY BULB 21.5	B, STATION WET BULB 20.0	36, 25- ON LAT, 147-59W LENG., SEP. 17, 1964, 1400 G.C.T.	WIND SPEED 22, DIR. 06	36, 25- ON LAT, 147-59W LENG., SEP. 17, 1964, 1400 G.C.T.	WIND SPEED 22, DIR. 06	BAR. 19	WEATHER 25	VIS. 5	CLOUD TYPE	, COVER	DYN.DPTH.		
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
0.	24.40	35.22	5.02	0.16	23.71	419.7	0.	24.40	35.22	23.71	419.7	0.000	
10.	24.41	35.22	4.95	0.25	23.71	420.4	10.	24.41	35.22	23.71	420.4	0.042	
30. ^Δ	24.30	34.84			23.45	445.4	20.	24.39	35.00	23.55	435.6	0.085	
49.	23.90	35.32	5.22	0.19	23.93	400.2	30.	24.30	34.84	23.45	445.4	0.130	
73.	21.97	35.26	5.31	0.14	24.44	352.4	50.	23.83	35.32	23.96	397.9	0.215	
98.	20.87	35.26	5.21	0.18	24.75	324.4	75.	21.86	35.26	24.47	349.5	0.309	
122.	20.31	35.26	5.15	0.23	24.90	310.9	100.	20.82	35.26	24.76	323.0	0.394	
147.	19.62	35.18	5.12	0.19	25.02	300.2	150.	19.47	35.15	25.03	298.9	0.550	
172.	18.50	34.95		0.30	25.13	290.3	200.	17.47	34.82	25.28	276.2	0.695	
186.	18.24	34.94	4.91	0.45	25.19	285.3	250.	14.17	34.39	25.70	237.5	0.825	
219.	16.11	34.61	4.90	0.52	25.44	261.4	300.	11.77	34.19	26.02	206.9	0.937	
245.	14.42	34.41	4.83	0.65	25.66	240.7	400.	8.86	34.05	26.42	169.3	1.127	
271.	13.19	34.30	4.83	0.71	25.83	224.7	500.	6.59	34.02	26.73	139.7	1.283	
295.	11.97	34.20	4.93	1.18	25.99	209.4	600.	5.61	34.09	26.90	123.0	1.415	
392.	9.09	34.06	4.35	1.59	26.39	172.2	700.	4.89	34.20	27.07	107.2	1.532	
492.	6.70	34.02	2.65	1.50	26.71	141.3	800.	4.41	34.31	27.22	93.8	1.633	
590.	5.69	34.08	1.34	2.56	26.89	124.8	1000.	3.95	34.48	27.40	78.1	1.807	
787.	4.46	34.30	0.51	3.58	27.2C	95.3	1200.	3.54	34.55	27.49	69.5	1.957	
985.	3.98	34.47	1.05	3.30	27.35	78.7							
1176.	3.64	34.52	1.21	3.50	27.46	72.5							
1461.	2.95	34.57	1.54	3.23	27.57	62.6							

SALINITY ERROR TERM AT 20. METERS IS 0.06

CROMWELL DRY BULB 24.0	B, STATION WET BULB 21.0	37, 26-28N LAT, 148- CW LENG, SEP. 17, 1964, 2200 G.C.T.	WIND SPEED 22, DIR. 07	37, 26-28N LAT, 148- CW LENG, SEP. 17, 1964, 2200 G.C.T.	WIND SPEED 22, DIR. 07	BAR. 21	WEATHER 02	VIS. 8	CLOUD TYPE B, COVER 3	DYN.DPTH.		
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	24.32	35.36	4.96	0.19	23.84	407.3	0.	24.32	35.36	23.84	407.3	0.000
8.	24.29	35.36	5.00	0.33	23.85	406.8	10.	24.28	35.32	23.82	409.4	0.041
30. ^Δ	24.18	34.88			23.52	439.1	20.	24.23	35.11	23.68	423.6	0.083
50. ^Δ	24.10	34.89			23.55	436.9	30.	24.18	34.88	23.52	439.1	0.127
72.	21.29	35.30	5.21	0.35	24.66	331.5	50.	21.10	34.89	23.55	436.9	0.215
97.	20.72	35.28	5.19	0.20	24.80	319.1	75.	21.15	35.31	24.71	327.1	0.311
120.	20.26	35.26	5.08	0.15	24.92	309.1	100.	20.66	35.28	24.82	317.7	0.392
145.	19.67	35.22	5.00	0.45	25.03	298.5	150.	19.53	35.19	25.05	297.0	0.547
170.	18.81	35.07	4.91	0.40	25.14	289.0	200.	16.81	34.78	25.41	263.9	0.688
180.	18.33	35.01	4.91	0.24	25.22	282.2	250.	14.02	34.52	25.83	224.9	0.812
202.	16.65	34.76	4.74	1.10	25.43	262.0	300.	12.22	34.33	26.05	204.7	0.920
221.	15.63	34.66	4.77	0.50	25.55	247.3	400.	9.42	34.14	26.40	171.8	1.110
239.	14.58	34.56	4.78	0.76	25.74	232.9	500.	7.15	34.03	26.66	146.9	1.271
257.	13.69	34.49	4.80	0.72	25.88	220.3	600.	5.50	34.06	26.89	124.1	1.408
329.	11.46	34.24	4.98	0.59	26.12	197.9	700.	4.78	34.15	27.05	109.4	1.526
400.	9.42	34.14	4.96	1.32	26.40	171.8	800.	4.44	34.26	27.17	98.1	1.631
474.	7.69	34.04	4.02	2.4	26.59	153.7	1000.	3.66	34.46	27.41	75.7	1.806
614.	5.33	34.07	1.53	2.8	26.92	121.2						
761.	4.60	34.22	0.62	3.15	27.12	102.6						
907.	4.03	34.37	0.59	3.12	27.30	86.0						
1029.	3.56	34.49	1.11	3.19	27.45	72.6						

SALINITY ERROR TERM AT 20. METERS IS 0.05

CROMWELL DRY BULB 24.0	R, STATION WET BULB 20.0	38, 24-55N LAT, 151- SW LENG, SEP. 18, 1964, 1600 G.C.T.	WIND SPEED 14, DIR. 09	38, 24-55N LAT, 151- SW LENG, SEP. 18, 1964, 1600 G.C.T.	WIND SPEED 14, DIR. 09	BAR. 21	WEATHER 02	VIS. 8	CLOUD TYPE , COVER	DYN.DPTH.		
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.09	35.00			23.33	455.4	0.	25.09	35.00	23.33	455.4	0.000
10. ^Δ	25.08	35.00			23.34	455.5	10.	25.08	35.00	23.34	455.5	0.046
30. ^Δ	25.08	35.00			23.34	456.3	20.	25.08	35.00	23.34	455.9	0.092
50. ^Δ	25.07	35.00			23.34	456.8	30.	25.08	35.00	23.34	456.3	0.138
74.	22.03	35.00			24.00	394.5	50.	25.07	35.00	23.34	456.8	0.230
97.	21.64	35.15			24.45	352.5	75.	22.76	35.01	24.03	392.3	0.337
120.	20.96	35.22			24.69	330.5	100.	21.54	35.17	24.49	348.9	0.430
142.	20.14	35.16			24.87	314.6	150.	19.90	35.13	24.90	311.1	0.596
165.	19.46	35.08			24.98	304.1	200.	17.69	34.89	25.28	276.6	0.744
177.	19.04	35.08			25.08	295.1	250.	14.37	34.52	25.76	231.7	0.873
204.	17.39	34.94			25.32	273.2	300.	11.90	34.30	26.08	201.1	0.982
226.	15.87	34.65			25.54	252.3	400.	9.05	34.09	26.42	169.5	1.169
246.	14.65	34.54			25.71	236.0	500.	7.06	34.02	26.66	146.2	1.328
263.	13.47	34.46			25.90	218.3	600.	5.30	34.10	26.94	119.5	1.462
331.	11.06	34.19			26.15	194.5	700.	4.64	34.20	27.11	103.6	1.575
400.	9.05	34.09			26.42	169.5	800.	4.30	34.31	27.23	92.4	1.674
472.	7.63	34.02			26.58	154.2	1000.	3.73	34.47	27.41	75.9	1.844
609.	5.25	34.11			26.96	117.2	1200.	3.28	34.53	27.51	67.7	1.990
749.	4.44	34.26			27.17	98.1						
990.	4.04	34.40			27.33	83.8						
1107.	3.47	34.51			27.47	70.7						
1200.**	3.25**	34.51**			27.51	67.7						

TEMPERATURE ERROR TERM AT 300. METERS IS 0.14

FROM 8T DATA
**EXTRAPOLATED DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL		B, STATION	39, 25- ON LAT, 154- 1W LCNG, SEP. 19, 1964, 0600 G.C.T.										
DRY BULB 25.0		WET BULB 22.1	WIND SPEED 14, CIR. 07	BAR. 21		WEATHER 01		VIS. 8		CLOUD TYPE , COVER			
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN.OPTH.	
0.	25.05	35.42	4.96	0.20	23.66	424.0	0.	25.05	35.42	23.66	424.0	0.000	
10.	24.98	35.42	5.00	1.08	23.69	422.4	10.	24.98	35.42	23.69	422.4	0.043	
30. ^A	24.88	35.42			23.72	420.3	20.	24.92	35.42	23.70	421.1	0.085	
50. ^A	24.84	35.42			23.73	419.9	30.	24.88	35.42	23.72	420.3	0.127	
74.	21.59	35.22	5.28	0.92	24.52	345.3	50.	24.84	35.42	23.73	419.9	0.212	
98.	20.96	35.28	5.22	0.35	24.74	325.3	75.	21.55	35.22	24.53	343.9	0.308	
121.	19.56	35.07	4.90	1.32	24.95	305.8	100.	20.85	35.27	24.76	323.5	0.392	
146.	18.50	34.92	4.71	0.56	25.11	291.6	150.	18.33	34.90	25.13	289.3	0.547	
170.	17.43	34.78	4.67	1.28	25.26	277.3	200.	15.86	34.60	25.49	255.7	0.684	
195.	16.69	34.69	4.80		25.37	267.5	250.	13.19	34.33	25.85	222.2	0.805	
218.	14.83	34.50	4.87		25.64	241.8	300.	11.50	34.21	26.09	200.2	0.911	
244.	13.47	34.35	4.80		25.81	225.8	400.	9.34	34.11	26.39	172.8	1.099	
269.	12.41	34.27	4.90		25.96	211.8	500.	6.90	34.00	26.66	145.9	1.260	
293.	11.67	34.22	4.95		26.07	202.4	600.	5.52	34.03	26.87	126.2	1.398	
392.	9.55	34.12	4.73		26.36	175.2	700.	4.76	34.15	27.05	109.3	1.517	
488.	7.12	34.00	3.54		26.66	148.6	800.	4.34	34.28	27.20	95.2	1.620	
586.	5.66	34.02	2.04		26.84	128.8	1000.	3.71	34.45	27.40	76.9	1.794	
780.	4.42	34.26	0.57		27.18	97.7	1200.	3.22	34.54	27.52	65.9	1.939	
977.	3.77	34.44	0.89		27.35	78.4							
1163.	3.33	34.52	1.27		27.49	68.7							
1446.	2.75	34.58	1.59		27.59	59.4							
CROMWELL		B, STATION	40, 24-59N LAT, 157- 0W LCNG, SEP. 19, 1964, 2000 G.C.T.										
DRY BULB 27.7		WET BULB 23.5	WIND SPEED 12, CIR. 07	BAR. 23		WEATHER 03		VIS. 8		CLOUD TYPE 2, COVER 5			
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN.OPTH.	
0.	25.63	35.00			23.17	471.2	0.	25.63	35.00	23.17	471.2	0.000	
10.	25.59	35.00			23.18	470.5	10.	25.59	35.00	23.18	470.5	0.047	
30. ^A	25.52	35.00			23.20	469.2	20.	25.55	35.00	23.19	469.8	0.095	
50. ^A	25.50	35.01			23.22	468.7	30.	25.52	35.00	23.20	469.2	0.142	
77.	24.10	35.7			23.69	425.0	50.	25.50	35.01	23.22	468.7	0.237	
102.	22.81	35.15			24.12	384.2	75.	24.23	35.06	23.64	429.0	0.350	
127.	21.67	35.16			24.40	359.0	100.	22.91	35.14	24.09	387.2	0.452	
153.	20.77	35.12			24.61	334.0	150.	20.91	35.13	24.63	336.9	0.635	
178.	19.23	34.97			24.96	306.8	200.	18.28	34.89	25.13	290.7	0.793	
193.	18.63	34.92			25.07	296.3	250.	15.71	34.60	25.53	254.0	0.930	
227.	16.84	34.73			25.36	269.3	300.	13.31	34.34	25.84	224.8	1.051	
254.	15.50	34.58			25.56	251.3	400.	10.08	34.13	26.28	183.7	1.257	
279.	13.97	34.41			25.76	232.4	500.	7.74	34.02	26.57	156.0	1.429	
304.	13.21	34.33			25.85	223.7	600.	5.94	34.03	26.81	132.1	1.574	
405.	9.93	34.12			26.30	181.7	700.	4.98	34.14	27.02	112.5	1.698	
507.	7.60	34.02			26.58	154.3	800.	4.49	34.29	27.19	96.8	1.804	
608.	5.82	34.03			26.83	130.4	1000.	3.86	34.44	27.38	79.3	1.982	
809.	4.47	34.30			27.20	95.6	1200.	3.32	34.54	27.51	67.6	2.131	
1010.	3.84	34.45			27.35	78.7	1500.	2.76	34.58	27.59	59.7	2.324	
1211.	3.29	34.54			27.51	67.1							
1511.	2.74	34.58			27.60	59.6							
CROMWELL		B, STATION	41, 23-29N LAT, 157- 0W LCNG, SEP. 20, 1964, 0600 G.C.T.										
DRY BULB 26.0		WET BULB 24.0	WIND SPEED 14, CIR. 05	BAR. 19		WEATHER 02		VIS. 7		CLOUD TYPE , COVER			
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELT	DEPTH	TEMP.	SAL.	SIGMA-T	DELT	DYN.OPTH.	
0.	25.64	34.92			23.11	477.3	0.	25.64	34.92	23.11	477.3	0.000	
11. ^A	25.70	34.92			23.09	479.5	10.	25.70	34.92	23.09	479.4	0.048	
50. ^A	25.60	34.94			23.13	476.7	20.	25.69	34.92	23.09	479.3	0.096	
75. ^A	25.60	34.94			23.13	477.7	30.	25.67	34.93	23.10	478.8	0.145	
102.	23.79	34.98			23.71	423.7	50.	25.60	34.94	23.13	476.7	0.241	
127.	22.47	35.11			24.19	378.8	75.	25.60	34.94	23.13	477.7	0.361	
153.	20.96	35.08			24.59	341.8	100.	23.95	34.97	23.66	428.5	0.475	
178.	19.35	34.98			24.54	309.1	150.	21.14	35.09	24.54	345.7	0.670	
193.	18.59	34.89			25.06	297.5	200.	18.20	34.85	25.12	291.6	0.831	
226.	16.71	34.69			25.36	269.2	250.	15.36	34.56	25.57	250.1	0.968	
253.	15.21	34.54			25.59	248.0	300.	13.30	34.35	25.85	224.1	1.087	
279.	14.18	34.43			25.73	235.2	400.	9.68	34.13	26.34	177.1	1.290	
305.	13.09	34.33			25.88	221.4	500.	7.06	34.04	26.68	144.8	1.452	
405.	9.53	34.12			26.36	175.1	600.	5.53	34.09	26.92	121.9	1.587	
507.	6.91	34.04			26.70	143.0	700.	4.81	34.21	27.09	105.4	1.702	
607.	5.46	34.10			26.93	120.5	800.	4.46	34.33	27.23	93.1	1.802	
807.	4.45	34.34			27.24	92.4	1000.	3.90	34.48	27.40	77.5	1.975	
1009.	3.88	34.48			27.41	77.0	1200.	3.31	34.54	27.51	67.3	2.121	
1203.	3.30	34.54			27.51	67.2							
1495.	2.80	34.58			27.59	60.3							

FROM BT DATA

Table 1.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL DRY BULB	R. STATION WET BULB	42, 22- 23.6	ON LAT, 156-59W LENG, SEP. 20, 1964, 1600 G.C.T.	WIND SPEED 20, CIR. 08	BAR. 10	WEATHER 01	VIS. 7	CLOUD TYPE	COVER	DYN.DPTH.			
DEPTH C.	TEMP. C.	SAL. 35.15	PC4-P 23.25	SIGMA-T 460.1	DELT A 0.	DEPTH 25.62	TEMP. 35.15	SIGMA-T 23.29	CELT A 460.1	DYN.DPTH. 0.000			
10.	25.66	35.14		23.27	462.4	10.	25.66	35.14	23.27	462.4	0.046		
30.	25.56	35.11		23.27	462.5	20.	25.62	35.12	23.26	463.0	0.093		
50.	25.46	35.11		23.30	460.3	30.	25.56	35.11	23.27	462.5	0.140		
75.	25.46	35.11		23.30	461.3	50.	25.46	35.11	23.30	460.3	0.233		
102.	22.56	35.07		24.13	383.2	75.	25.46	35.11	23.30	461.3	0.349		
126.	20.84	35.04		24.59	340.6	100.	22.81	35.07	24.06	389.6	0.456		
151.	18.91	34.92		25.00	301.7	150.	18.98	34.93	24.99	303.0	0.630		
178.	17.62	34.78		25.22	282.0	200.	16.60	34.69	25.39	266.1	0.774		
193.	16.90	34.72		25.34	270.3	250.	13.64	34.34	25.81	225.9	0.898		
226.	15.29	34.54		25.57	248.9	300.	11.72	34.21	26.05	204.2	1.006		
252.	13.30	34.33		25.83	224.1	400.	8.85	34.06	26.43	168.3	1.194		
279.	12.39	34.26		25.96	212.4	500.	6.75	34.09	26.76	136.6	1.348		
304.	11.59	34.20		26.06	202.6	600.	5.66	34.21	26.99	114.8	1.475		
405.	8.72	34.06		26.45	166.6	700.	5.06	34.31	27.14	101.1	1.584		
506.	6.65	34.10		26.78	134.9	800.	4.68	34.38	27.25	91.9	1.682		
607.	5.61	34.22		27.01	113.6	1000.	4.00	34.48	27.39	78.5	1.854		
809.	4.66	34.39		27.25	91.3	1200.	3.42	34.54	27.50	68.8	2.003		
1009.	3.97	34.48		27.40	78.1	1500.	2.77	34.58	27.59	59.9	2.199		
1209.	3.40	34.54		27.50	68.4								
1510.	2.75	34.58		27.55	59.7								

FROM ST DATA

Table 2.--Original and derived oceanographic data for Townsend Cromwell cruise 9

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL CRY BULB 26.4	9, STATION WET BULB 22.0	1, 20-33N LAT, 157-17W LENG, CCT. WIND SPEED 16, CIR. CB	2, 1964, 0600 G.C.T.	WEATHER 03	VIS. 6	CLOUD TYPE	COVER	DYN. DPTH.							
DEPH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN. DPTH.			
C.	26.15	34.94			22.96	491.0	C.	26.15	34.94	22.96	491.0	0.000			
9.	26.17	34.94			22.96	491.9	1C.	26.18	34.94	22.95	492.4	0.050			
48.	25.74	34.94			23.05	480.7	20.	26.22	34.93	22.94	494.4	0.099			
72.	24.24	35.02			23.01	432.4	30.	26.15	34.93	22.96	492.8	0.149			
96.	23.16	35.09			23.08	397.9	50.	25.62	34.95	23.13	477.0	0.247			
119.	22.26	35.10			24.24	373.5	75.	24.09	35.03	23.66	427.4	0.361			
145.	21.04	35.06			24.55	345.0	100.	23.00	35.10	24.02	393.4	0.464			
169.	19.60	34.97			24.86	315.7	150.	2C.77	35.05	24.61	339.3	0.649			
182.	18.62	34.90			25.06	297.2	200.	17.96	34.84	25.18	285.9	0.806			
215.	17.40	34.78			25.27	278.1	250.	14.11	34.41	25.73	234.4	0.937			
241.	15.14	34.51			25.58	248.3	300.	11.63	34.26	26.11	198.6	1.046			
264.	12.72	34.29			25.92	216.1	400.	8.44	34.14	26.55	156.3	1.226			
288.	12.07	34.28			26.04	205.2	500.	6.94	34.17	26.80	133.6	1.372			
379.	8.85	34.15			26.50	161.5	600.	5.68	34.28	27.05	109.8	1.495			
472.	7.41	34.15			26.71	141.4	700.	5.11	34.39	27.20	95.6	1.599			
565.	5.97	34.24			26.96	116.2	ECC.	4.75	34.46	27.30	86.8	1.691			
750.	4.98	34.44			27.26	90.9	1C00.	4.05	34.52	27.42	76.2	1.856			
933.	4.24	34.50			27.39	79.2	1200.	3.48	34.55	27.50	68.9	2.003			
1122.	3.74	34.54			27.47	71.8									
1404.	3.01	34.54			27.54	65.1									

TEMPERATURE ERROR TERM AT 20°C. METERS IS 0.15

CROMWELL DRY BULB 24.7	9, STATION WET BULB 21.8	2, 19- ON LAT, 157- OW LCNG, CCT. WIND SPEED 14, CIR. 13	2, 1964, 1700 G.C.T.	WEATHER 02	VIS.	CLOUD TYPE	8, COVER	DYN. DPTH.				
DEPH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN. DPTH.
C.	25.55	34.94			23.15	473.2	C.	25.55	34.94	23.15	473.2	0.000
10.	25.58	34.93			23.13	475.2	10.	25.58	34.93	23.13	475.2	0.048
50. [△]	25.58	34.93			23.13	476.8	2C.	25.59	34.93	23.13	476.1	0.096
75. [△]	25.58	34.93			23.13	477.8	30.	25.59	34.93	23.13	476.6	0.144
102.	25.42	34.94			23.19	473.5	50.	25.58	34.93	23.13	476.8	0.240
127.	23.84	35.05			23.75	421.0	75.	25.58	34.93	23.13	477.8	0.360
152.	22.04	35.11			24.31	368.1	1C0.	25.46	34.94	23.17	474.8	0.480
177.	20.68	35.07			24.65	336.1	150.	22.18	35.11	24.27	371.9	0.693
193.	19.48	34.97			24.89	313.5	200.	18.93	34.91	24.99	304.3	0.864
226.	16.86	34.69			25.33	272.6	250.	14.91	34.48	25.61	245.7	1.002
253.	14.68	34.46			25.64	242.6	300.	11.99	34.26	26.03	205.7	1.116
282.	13.01	34.34			25.90	218.5	400.	7.86	34.15	26.64	147.2	1.294
305.	11.76	34.24			26.66	202.8	500.	6.29	34.24	26.94	119.5	1.429
405.	7.71	34.15			26.67	144.7	ECC.	5.52	34.34	27.12	103.2	1.541
506.	6.25	34.25			26.95	118.4	700.	5.09	34.43	27.23	92.7	1.640
607.	5.48	34.35			27.13	102.3	ECC.	4.82	34.49	27.31	86.1	1.731
808.	4.81	34.49			27.31	85.7	1C00.	4.32	34.52	27.39	79.4	1.898
1010.	4.30	34.52			27.39	79.2	1200.	3.70	34.56	27.49	70.7	2.050
1210.	3.67	34.56			27.45	70.2	1500.	2.90	34.59	27.59	60.8	2.250
1510.	2.87	34.59			27.59	60.5						

CROMWELL DRY BULB 25.8	9, STATION NET BULB 22.5	3, 17-30N LAT, 156-59W LCNG, OCT. WIND SPEED 19, CIR. 06	3, 1964, 2000 G.C.T.	WEATHER 02	VIS. 7	CLOUD TYPE	8, COVER	DYN. DPTH.				
DEPH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN. DPTH.
0.	26.10	34.85			22.91	496.C	C.	26.10	34.85	22.91	496.0	0.000
10. [△]	26.04	34.85			22.93	494.6	1C.	26.04	34.85	22.93	494.6	0.050
30. [△]	25.90	34.85			22.97	491.2	2C.	25.98	34.85	22.95	493.2	0.100
50. [△]	25.66	34.87			23.06	483.5	30.	25.90	34.85	22.97	491.2	0.149
76.	23.20	35.06			23.94	400.4	50.	25.66	34.87	23.06	483.5	0.247
101.	22.13	35.13			24.30	367.2	75.	23.30	35.05	23.91	403.9	0.359
126.	21.15	35.15			24.59	340.7	100.	22.16	35.13	24.29	368.0	0.456
152.	20.14	35.09			24.81	320.0	150.	2C.22	35.10	24.80	321.4	0.630
177.	19.04	34.97			25.01	302.1	20C.	17.02	34.73	25.32	272.4	0.780
191.	17.82	34.83			25.20	283.5	250.	13.96	34.37	25.72	234.7	0.908
225.	15.09	34.49			25.58	248.3	300.	10.58	34.27	26.30	179.8	1.012
252.	13.88	34.36			25.74	233.5	400.	7.92	34.25	26.72	140.5	1.174
277.	12.38	34.33			26.02	207.1	500.	6.53	34.29	26.94	119.3	1.305
302.	10.42	34.26			26.32	177.6	600.	5.84	34.37	27.09	105.6	1.418
402.	7.92	34.25			26.72	140.4	700.	5.33	34.44	27.21	95.1	1.520
503.	6.50	34.29			26.95	118.8	ECC.	4.92	34.49	27.30	87.2	1.612
604.	5.82	34.37			27.10	105.2	1C0C.	4.27	34.53	27.40	78.1	1.779
805.	4.90	34.49			27.30	86.8	1200.	3.65	34.57	27.50	69.3	1.928
1005.	4.26	34.53			27.41	77.9	1500.	2.93	34.60	27.59	60.4	2.126
1205.	3.64	34.57			27.50	69.1	2000.	2.15	34.64	27.70	50.3	2.407
1506.	2.92	34.60			27.60	60.3	2500.	1.80	34.67	27.75	45.9	2.652
1951.	2.20	34.64			27.65	51.0	3000.	1.59	34.69	27.77	43.5	2.880
2442.	1.83	34.67			27.74	46.2						
2934.	1.63	34.68			27.77	44.4						
3924.	1.47	34.70			27.79	43.5						

FROM BT DATA

Table 2--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL CRY. BULB 25.2		9, STATION 4, 15-58N LAT, 157- LW LONG, OCT.		3, 1964, 1300 G.C.T.								
		WET BULB 22.4		WIND SPEED 18, DIR. 05		BAR. 14		WEATHER 02	VIS. 8	CLOUD TYPE	COVER	
DEPTH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
C.	26.32	34.67			22.71	515.5	0.	26.32	34.67	22.71	515.5	0.000
7.	26.28	34.67			22.72	514.6	10.	26.27	34.67	22.72	514.4	0.052
30. [△]	26.22	34.67			22.74	513.7	20.	26.24	34.67	22.73	513.9	0.104
50. [△]	26.20	34.68			22.75	513.2	30.	26.22	34.67	22.74	513.7	0.155
71.	25.78	34.91			23.06	485.0	50.	26.20	34.68	22.75	513.2	0.259
94.	23.85	34.68			23.46	446.7	75.	25.50	34.87	23.11	479.8	0.384
118.	21.85	35.01			24.29	369.0	100.	23.35	34.75	23.67	427.6	0.498
142.	19.77	34.93			24.75	321.9	150.	19.24	34.91	24.91	310.6	0.684
166.	17.84	34.79			25.17	286.0	200.	13.28	34.29	25.81	224.9	0.819
179.	15.86	34.55			25.45	259.1	250.	11.34	34.34	26.22	186.9	0.923
209.	12.48	34.24			25.93	213.9	300.	10.81	34.44	26.39	171.2	1.013
234.	11.57	34.29			26.14	194.0	400.	9.48	34.58	26.73	140.5	1.171
258.	11.28	34.36			26.25	184.3	500.	8.32	34.58	26.92	123.7	1.304
281.	11.05	34.40			26.32	177.8	600.	7.25	34.54	27.04	112.4	1.423
373.	9.82	34.56			26.66	146.9	700.	6.26	34.50	27.14	103.1	1.532
467.	8.49	34.59			26.87	128.2	800.	5.58	34.48	27.22	96.1	1.633
559.	7.70	34.56			26.95	116.9	1000.	4.74	34.52	27.35	84.5	1.815
745.	5.88	34.48			27.18	99.6	1200.	3.97	34.55	27.46	74.3	1.976
930.	5.05	34.51			27.30	88.6						
1104.	4.31	34.54			27.41	78.7						
1326.	3.54	34.57			27.51	68.8						

CROMWELL 9, STATION 5, 14-31N LAT, 157- LW LONG, OCT.				3, 1964, 2200 G.C.T.								
CRY. BULB 26.1		WET BULB 23.5		WIND SPEED 18, DIR. 07		BAR. 14		WEATHER 02		VIS. 8		
DEPTH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
C.	26.93	33.83			21.88	594.4	0.	26.93	33.83	21.88	594.4	0.000
11.	26.82	33.82			21.91	592.2	10.	26.83	33.82	21.90	592.6	0.060
30. [△]	26.70	34.00			22.08	576.4	20.	26.75	33.89	21.99	585.2	0.119
50. [△]	26.62	34.10			22.18	567.6	30.	26.70	34.00	22.08	576.4	0.178
77.	25.27	34.62			22.99	491.1	50.	26.62	34.10	22.18	567.6	0.293
102.	22.33	34.81			24.00	395.7	75.	25.43	34.58	22.91	498.5	0.427
126.	19.91	34.87			24.71	329.2	100.	22.58	34.80	23.92	403.0	0.541
153.	17.20	34.70			25.26	277.3	150.	17.57	34.73	25.19	283.4	0.714
178.	13.18	34.33			25.86	219.9	200.	11.97	34.41	26.16	191.6	0.833
193.	12.17	34.37			26.09	198.1	250.	11.08	34.66	26.52	158.1	0.922
226.	11.65	34.58			26.35	174.0	300.	10.32	34.65	26.64	147.3	0.999
253.	11.00	34.67			26.54	156.4	400.	9.00	34.60	26.83	130.9	1.139
279.	10.45	34.64			26.61	149.7	500.	8.04	34.56	26.94	120.8	1.266
305.	10.30	34.65			26.65	146.9	600.	6.97	34.54	27.08	108.2	1.382
406.	8.91	34.60			26.84	129.8	700.	6.17	34.53	27.18	99.6	1.487
507.	7.98	34.56			26.95	120.2	800.	5.58	34.52	27.25	93.4	1.584
608.	6.88	34.54			27.05	107.2	1000.	4.67	34.55	27.38	81.7	1.761
809.	5.54	34.52			27.25	92.9	1200.	3.90	34.57	27.48	72.4	1.917
1011.	4.63	34.55			27.38	81.1						
1210.	3.87	34.57			27.48	71.9						
1477.	3.67	34.59			27.57	62.7						

CROMWELL 9, STATION 6, 13- 4N LAT, 157- 2W LONG, OCT.				4, 1964, 0700 G.C.T.								
CRY. BULB 26.6		WET BULB 23.9		WIND SPEED 21, DIR. 06		BAR. 12		WEATHER 03		VIS. 6		
DEPTH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	CYN.OPTH.
0.	27.07	33.64			21.69	612.3	0.	27.07	33.64	21.69	612.3	0.000
1C. [△]	27.08	33.64			21.69	613.0	10.	27.08	33.64	21.69	613.0	0.062
30. [△]	26.70	33.71			21.86	597.2	20.	27.13	33.62	21.66	616.1	0.124
50.	23.08	34.53			23.58	434.4	30.	26.70	33.71	21.86	597.2	0.185
76.	21.51	34.88			24.28	367.8	50.	23.08	34.53	23.58	434.4	0.289
102.	19.30	34.80			24.81	318.2	75.	21.54	34.88	24.27	368.8	0.390
127.	15.33	34.46			25.50	252.7	100.	19.52	34.82	24.77	322.1	0.477
152.	12.00	34.24			26.02	203.5	150.	12.22	34.25	25.99	206.7	0.610
177.	10.80	34.28			26.27	179.9	200.	10.76	34.48	26.43	164.9	0.704
192.	10.82	34.43			26.38	169.5	250.	10.15	34.60	26.63	147.0	0.782
226.	10.43	34.57			26.56	153.3	300.	9.90	34.66	26.72	139.4	0.855
253.	10.12	34.60			26.64	146.4	400.	8.67	34.60	26.88	125.6	0.988
278.	10.08	34.65			26.68	142.6	500.	7.49	34.55	27.02	113.4	1.109
304.	9.86	34.66			26.73	138.8	600.	6.68	34.53	27.11	104.9	1.219
405.	8.60	34.60			26.89	124.9	700.	5.89	34.53	27.22	95.5	1.320
506.	7.43	34.55			27.02	112.7	800.	5.18	34.54	27.31	86.8	1.412
607.	6.63	34.53			27.12	104.3	1000.	4.28	34.55	27.42	76.7	1.578
808.	5.13	34.54			27.32	86.1	1200.	3.69	34.58	27.50	69.1	1.725
1009.	4.25	34.55			27.42	76.3	1500.	2.87	34.61	27.61	59.0	1.920
1212.	3.66	34.58			27.51	68.6						
1508.	2.85	34.61			27.61	58.7						

TEMPERATURE ERROR TERM AT 20° METERS IS 0.11

FROM BT DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL DRY BULB 26.7		9, STATION 7, 11-35N LAT, 157-3W LONG, OCT. 4, 1964, 1600 G.C.T.		WET BULB 23.6		WIND SPEED 06, CIR. 07		BAR. 11		WEATHER 81		VIS.	CLOUD TYPE	COVER	
DEPTH	TEMP.	SAL.	CXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
2.	27.15	33.71			21.72	609.8	0.	27.15	33.71	21.72	609.7	0.000			
12.	27.23	33.80			21.76	606.2	10.	27.22	33.79	21.76	606.4	0.061			
20. ^d	27.23	33.80			21.76	606.5	20.	27.23	33.80	21.76	606.5	0.122			
30. ^d	27.22	33.80			21.77	606.6	30.	27.22	33.80	21.77	606.6	0.183			
52.	20.76	34.91			24.51	345.2	50.	21.44	34.80	24.24	370.9	0.282			
78.	18.84	34.92			25.2	297.5	75.	18.95	34.97	25.03	296.7	0.366			
103.	15.24	34.49			25.55	247.9	100.	15.71	34.55	25.48	253.7	0.435			
128.	11.76	34.25			26.07	197.9	150.	10.28	34.17	26.28	178.5	0.544			
154.	10.16	34.18			26.30	175.9	200.	10.40	34.63	26.62	147.4	0.626			
178.	10.24	34.49			26.53	154.9	250.	9.94	34.67	26.72	138.2	0.698			
193.	10.41	34.61			26.60	149.3	300.	9.34	34.63	26.80	132.1	0.767			
228.	10.15	34.66			26.68	142.0	400.	8.32	34.59	26.93	121.1	0.894			
255.	9.89	34.67			26.73	137.5	500.	7.31	34.55	27.04	110.7	1.011			
280.	9.59	34.65			26.77	134.6	600.	6.37	34.54	27.16	99.9	1.118			
306.	9.27	34.63			26.80	131.4	700.	5.62	34.54	27.26	91.1	1.214			
406.	8.26	34.59			26.93	120.5	800.	5.03	34.55	27.34	84.1	1.303			
508.	7.23	34.55			27.05	109.9	1000.	4.26	34.57	27.44	75.0	1.464			
606.	6.32	34.54			27.17	99.3	1200.	3.62	34.59	27.52	67.5	1.608			
810.	4.98	34.55			27.34	83.5	1500.	2.92	34.62	27.61	58.9	1.800			
101C.	4.23	34.57			27.44	74.6	2000.	2.17	34.65	27.70	50.2	2.077			
1212.	3.59	34.59			27.52	67.1	2500.	1.87	34.68	27.75	46.3	2.323			
1519.	2.88	34.62			27.61	58.4	3000.	1.69	34.69	27.77	44.8	2.555			
2012.	2.16	34.65			27.70	50.1	4000.	1.44	34.70	27.80	43.2	3.007			
2510.	1.87	34.68			27.75	46.2									
3008.	1.69	34.65			27.77	44.8									
4002.	1.44	34.70			27.80	43.2									
TEMPERATURE ERROR TERM AT 50. METERS IS 0.18				TEMPERATURE ERROR TERM AT 75. METERS IS 0.14											
CROMWELL DRY BULB 26.5		9, STATION 7A, 10- ON LAT, 153-56W LONG, OCT. 5, 1964, 1200 G.C.T.		WET BULB 23.8		WIND SPEED 14, CIR. 08		BAR. 12		WEATHER 02		VIS. 8	CLOUD TYPE	COVER	
DEPTH	TEMP.	SAL.	CXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPIN.			
0.	27.44	33.56	4.94		21.52	629.4	0.	27.44	33.56	21.52	629.4	0.000			
9.	27.46	33.56	5.01		21.51	630.4	10.	27.46	33.56	21.51	630.5	0.063			
20. ^d	27.46	33.56			21.51	630.8	20.	27.46	33.56	21.51	630.8	0.127			
30. ^d	27.40	33.57			21.54	628.7	30.	27.40	33.57	21.54	628.7	0.190			
44.	22.52	35.08	5.41		24.15	379.2	50.	22.00	35.08	24.30	365.4	0.291			
52. ^d	22.00	35.08			24.30	365.4	75.	18.81	34.85	24.97	302.1	0.375			
69.	19.95	34.97	5.15		24.77	320.9	100.	14.14	34.47	25.77	226.5	0.441			
89.	16.00	34.56	4.05		25.43	258.7	150.	11.40	34.72	26.50	157.5	0.538			
111.	12.70	34.46	1.61		26.05	199.4	200.	10.72	34.73	26.64	145.8	0.614			
135.	11.65	34.46	0.61		26.35	167.4	250.	10.09	34.71	26.73	137.9	0.686			
157.	11.32	34.74	0.29		26.53	154.7	300.	9.69	34.69	26.78	133.6	0.754			
169.	11.08	34.74	0.25		26.58	150.7	400.	8.85	34.65	26.89	125.4	0.885			
199.	10.73	34.73	0.41		26.63	146.1	500.	7.76	34.59	27.00	114.9	1.006			
223.	10.38	34.73	0.45		26.69	146.6	600.	6.85	34.55	27.11	105.6	1.118			
247.	10.12	34.71	0.53		26.72	138.2	700.	6.1C	34.55	27.20	97.0	1.220			
269.	9.90	34.70	0.55		26.75	135.8	800.	5.68	34.55	27.29	89.7	1.314			
36C.	9.2R	34.67	0.47		26.83	129.7	1000.	4.53	34.56	27.41	78.6	1.485			
442.	8.37	34.62	0.33		26.94	120.6	1200.	3.79	34.59	27.50	69.8	1.635			
533.	7.44	34.57	0.41		27.04	111.9									
72C.	5.97	34.55	0.77		27.22	95.4									
901.	4.96	34.56	1.10		27.35	83.5									
1084.	4.21	34.57	1.30		27.44	75.1									
1363.	3.37	34.61	1.78		27.56	64.1									
CROMWELL DRY BULB 27.0				9, STATION 8, 11-29N LAT, 153-56W LONG, OCT. 5, 1964, 2100 G.C.T.				WET BULB 24.4		WIND SPEED 20, CIR. 08		BAR. 15	WEATHER 02	VIS. 8	CLOUD TYPE 8, COVER 2
DEPTH	TEMP.	SAL.	CXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
0.	27.20	33.65	4.89		21.66	615.6	0.	27.20	33.65	21.66	615.6	0.000			
10.	27.21	33.67	4.61		21.67	614.8	10.	27.21	33.67	21.67	614.8	0.062			
20. ^d	25.60	34.03			22.45	541.0	20.	25.60	34.03	22.45	541.0	0.120			
30. ^d	21.50	34.47			23.97	395.5	30.	21.50	34.47	23.97	395.5	0.167			
51.	17.76	34.68	4.55		25.10	288.4	50.	17.86	34.69	25.08	290.3	0.236			
76.	13.26	34.32	3.05		25.83	219.4	75.	13.42	34.34	25.82	221.2	0.301			
102.	11.32	34.30	2.24		26.19	185.7	100.	11.40	34.29	26.17	187.7	0.352			
127.	10.62	34.45	1.39		26.43	163.2	150.	10.43	34.57	26.56	151.8	0.438			
153.	10.42	34.58	0.72		26.57	150.8	200.	9.88	34.60	26.68	141.5	0.512			
178.	10.21	34.62	0.40		26.64	144.9	250.	9.06	34.56	26.78	132.2	0.581			
192.	10.04	34.61	0.49		26.66	143.1	300.	8.71	34.59	26.87	125.1	0.646			
226.	9.35	34.56	0.50		26.74	136.2	400.	7.70	34.56	26.99	114.1	0.766			
253.	9.03	34.56	0.49		26.79	131.7	500.	6.87	34.54	27.10	105.4	0.877			
279.	8.92	34.60	0.48		26.84	127.5	600.	6.05	34.54	27.20	95.7	0.979			
304.	8.66	34.59	0.49		26.87	124.7	700.	5.51	34.55	27.28	89.1	1.072			
404.	7.66	34.56	0.71		27.00	113.7	800.	5.11	34.56	27.34	84.3	1.160			
507.	6.82	34.54	0.69		27.10	104.8	1000.	4.27	34.57	27.44	75.0	1.321			
607.	6.00	34.54	0.85		27.21	95.0	1200.	3.58	34.59	27.52	67.0	1.465			
808.	5.08	34.56	0.99		27.34	84.0	1500.	2.92	34.62	27.61	58.8	1.656			
1010.	4.23	34.57	1.38		27.44	74.6									
1211.	3.55	34.59	1.65		27.53	66.6									
1511.	2.90	34.62	2.61		27.61	58.6									

FROM BT DATA

Table 2--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL		9, STATION	9, 13- ON LAT, 154- 6W LCNG, CCT.	6, 1964, 0600 G.C.T.				WEATHER 01		VIS. B	CLOUD TYPE	, COVER			
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELT A	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
C.	26.88	33.67	5.11		21.78	604.4	0.	26.88	33.67	21.78	604.4	0.000			
1C.	26.84	33.66	5.18		21.78	604.3	10.	26.84	33.66	21.78	604.3	0.061			
3C. ^A	26.74	33.66			21.81	602.0	20.	26.82	33.65	21.78	604.6	0.122			
5C. ^A	26.22	33.76			22.05	580.0	30.	26.74	33.66	21.81	602.0	0.183			
74.	22.88	34.66	5.59		23.73	420.4	50.	26.22	33.76	22.05	580.0	0.302			
98.	20.86	34.90	5.23		24.48	350.2	75.	22.78	34.68	23.77	416.4	0.427			
122.	18.67	34.85	4.68		25.01	300.0	100.	20.71	34.91	24.52	345.9	0.523			
148.	14.29	34.37	3.91		25.66	238.2	150.	13.98	34.35	25.71	233.7	0.669			
171.	11.62	34.27	2.93		26.11	194.9	200.	11.19	34.56	26.42	166.7	0.770			
187.	11.38	34.45	1.49		26.30	177.8	250.	10.55	34.68	26.63	147.7	0.849			
220.	10.91	34.66	0.48		26.55	154.8	300.	9.85	34.65	26.72	139.4	0.922			
245.	10.60	34.68			26.62	148.5	400.	8.81	34.62	26.87	127.0	1.056			
271.	10.32	34.68	0.29		26.67	144.3	500.	7.65	34.55	26.99	116.0	1.179			
296.	9.90	34.65	0.29		26.72	140.0	600.	6.70	34.53	27.11	105.3	1.290			
394.	8.88	34.62	0.40		26.86	127.7	700.	5.92	34.53	27.21	95.8	1.392			
494.	7.71	34.55	0.53		26.98	116.7	800.	5.30	34.54	27.30	88.2	1.485			
591.	6.78	34.53	0.68		27.10	106.2	1000.	4.48	34.55	27.40	78.8	1.654			
789.	5.36	34.54	0.65		27.25	88.8	1200.	3.77	34.58	27.50	69.7	1.805			
986.	4.53	34.55	0.99		27.35	79.6									
1173.	3.85	34.59	1.91		27.50	69.9									
1447.	3.09	34.61	1.50		27.59	61.2									
CROMWELL		9, STATION	10, 14-29N LAT, 154- SW LCNG, CCT.	6, 1964, 1500 G.C.T.				WEATHER 02		VIS.	CLOUD TYPE	, COVER			
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELT A	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
1.	26.48	34.56			22.57	528.3	0.	26.48	34.56	22.57	528.2	0.000			
1C.	26.46	34.57	4.66		22.59	527.3	10.	26.46	34.57	22.59	527.3	0.053			
3C. ^A	26.40	34.56			22.60	527.0	20.	26.43	34.57	22.59	527.2	0.106			
5C. ^A	26.32	34.57			22.63	524.7	30.	26.40	34.56	22.60	527.0	0.159			
74.	24.78	34.72	4.94		23.22	469.5	50.	26.32	34.57	22.63	524.7	0.265			
99.	22.77	34.94	4.80		23.97	398.1	75.	24.70	34.73	23.25	466.5	0.390			
124.	21.46	35.08			24.45	353.8	100.	22.72	34.95	24.00	396.1	0.499			
150.	19.34	35.00	4.95		24.95	306.4	150.	19.34	35.00	24.95	306.4	0.676			
173.	17.29	34.73	5.23		25.26	277.8	200.	14.65	34.46	25.65	240.6	0.814			
188.	15.95	34.59	4.21		25.46	258.4	250.	10.76	34.20	26.21	186.8	0.921			
222.	12.42	34.26	3.91		25.95	211.6	300.	9.28	34.20	26.47	162.8	1.010			
248.	10.84	34.20	3.54		26.20	188.0	400.	7.84	34.40	26.84	128.4	1.157			
273.	10.02	34.19	3.25		26.34	175.4	500.	7.05	34.48	27.03	112.2	1.278			
298.	9.32	34.20	2.81		26.46	163.7	600.	6.20	34.49	27.15	101.3	1.386			
392.	7.88	34.35	0.92		26.83	129.3	700.	5.53	34.51	27.24	92.5	1.484			
494.	7.10	34.48	0.56		27.02	113.0	800.	5.01	34.52	27.32	85.8	1.574			
590.	6.28	34.49	0.61		27.14	102.2	1000.	4.28	34.55	27.42	76.4	1.738			
784.	5.48	34.52	0.84		27.31	86.7	1200.	3.62	34.58	27.51	68.4	1.885			
978.	4.36	34.55	0.98		27.41	77.4									
1173.	3.69	34.57	1.25		27.50	69.4									
1467.	2.90	34.60	1.64		27.60	59.8									
CROMWELL		9, STATION	11, 16- ON LAT, 154- 2W LCNG, OCT.	7, 1964, 0000 G.C.T.				WEATHER 01		VIS. T	CLOUD TYPE	, COVER 4			
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELT A	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
C.	26.22	34.59	4.72		22.68	518.3	0.	26.22	34.59	22.68	518.3	0.000			
1C.	26.12	34.60	4.86		22.72	515.0	10.	26.12	34.60	22.72	515.0	0.052			
3C. ^A	25.80	34.60			22.82	506.3	20.	25.96	34.60	22.77	510.5	0.104			
5C. ^A	25.62	34.59			22.86	502.4	30.	25.80	34.60	22.82	506.3	0.155			
79.	23.99	34.54	5.01		23.32	460.1	50.	25.62	34.59	22.86	502.4	0.257			
1C1.	22.16	34.84	5.15		24.07	388.9	75.	24.29	34.53	23.22	469.0	0.379			
124.	21.24	35.07	4.88		24.50	348.8	100.	22.24	34.82	24.04	392.1	0.487			
152.	19.19	34.90	4.38		24.92	310.0	150.	19.39	34.92	24.88	313.1	0.665			
177.	16.16	34.57	4.01		25.40	264.1	200.	13.96	34.35	25.71	234.6	0.803			
191.	14.91	34.43	3.83		25.57	247.9	250.	10.25	34.19	26.29	179.0	0.907			
225.	11.56	34.19	3.67		26.06	201.0	300.	9.35	34.37	26.59	152.0	0.991			
252.	10.18	34.19	2.24		26.31	177.6	400.	7.80	34.43	26.87	125.5	1.131			
279.	9.40	34.22	2.58		26.46	163.2	500.	6.94	34.47	27.03	111.6	1.250			
303.	9.36	34.39	1.30		26.60	150.5	600.	6.07	34.47	27.15	100.9	1.358			
403.	7.74	34.42	0.68		26.88	125.2	700.	5.44	34.49	27.24	92.8	1.456			
503.	6.92	34.47	0.40		27.03	111.3	800.	4.97	34.51	27.31	86.3	1.546			
603.	6.04	34.47	0.53		27.15	100.7	1000.	4.16	34.53	27.42	76.6	1.711			
805.	4.95	34.51	0.78		27.31	86.0	1200.	3.53	34.57	27.51	67.8	1.857			
1005.	4.14	34.53	1.04		27.42	76.4	1500.	2.87	34.60	27.60	59.7	2.051			
1205.	3.52	34.57	1.28		27.51	67.6									
1505.	2.86	34.60	1.64		27.60	59.6									

APROM BT DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL DRY BULB 25.0	9, STATION WET BULB 22.6	12, 17-2BN LAT, WIND SPEED 18, DIR. CB	153-59W LONG, CCT. WEATHER 02	7, 1964, 0900 G.C.T.	BAR. 18	TEMP.	WEATHER 02	VIS.	CLOUD TYPE	COVER	DYN-OPTH.	
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN-OPTH.
C.	26.06	34.45	4.77		22.62	523.6	C.	26.06	34.45	22.62	523.6	0.000
1C.	26.08	34.44	4.78		22.61	525.3	10.	26.08	34.44	22.61	525.3	0.053
3C. ^A	26.00	34.46			22.65	522.3	20.	26.06	34.44	22.61	525.0	0.106
5C. ^A	25.70	34.55			22.81	507.7	30.	26.00	34.46	22.65	522.3	0.158
75. ^A	23.60	34.97			23.76	418.0	50.	25.70	34.55	22.81	507.7	0.262
100.	22.50	35.07	5.10		24.15	381.4	75.	23.60	34.97	23.76	418.0	0.379
126.	21.04	35.05	4.72		24.54	345.0	100.	22.50	35.07	24.15	381.4	0.480
151.	19.90	35.00	4.54		24.81	320.4	150.	19.95	35.00	24.80	321.3	0.657
175.	18.52	34.84	4.27		25.04	298.9	200.	16.56	34.61	25.34	270.7	0.806
201.	16.47	34.60	4.03		25.35	269.6	250.	12.06	34.22	25.99	208.5	0.927
225.	14.39	34.38	3.76		25.64	241.7	300.	10.40	34.26	26.33	177.1	1.024
250.	12.06	34.22	3.61		25.99	208.5	400.	8.66	34.43	26.75	138.2	1.183
275.	10.81	34.21	3.32		26.21	187.4	500.	7.62	34.47	26.94	121.3	1.314
299.	10.42	34.26	2.77		26.32	171.5	600.	6.69	34.48	27.07	108.7	1.430
397.	8.70	34.43	0.87		26.74	138.9	700.	5.87	34.49	27.19	98.1	1.534
495.	7.67	34.47	0.56		26.93	122.0	800.	5.20	34.50	27.28	89.8	1.629
593.	6.75	34.48	0.53		27.06	109.5	1000.	4.33	34.52	27.39	79.3	1.801
788.	5.27	34.50	0.73		27.27	96.6	1200.	3.67	34.55	27.48	70.8	1.952
983.	4.39	34.52	1.14		27.38	80.0						
1181.	3.75	34.55	1.25		27.48	71.7						
1402.	3.15	34.58	1.97		27.56	63.9						

CROMWELL DRY BULB 24.4	9, STATION WET BULB 20.1	13, 18-54N LAT, 153-58W LONG, CCT. WIND SPEED 19, DIR. 09	7, 1964, 1800 G.C.T.	BAR. 18	TEMP.	WEATHER 02	VIS.	B	CLOUD TYPE 5	COVER	DYN-OPTH.	
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN-OPTH.
C.	25.84	34.45	5.28		22.69	517.0	0.	25.84	34.45	22.69	517.0	0.000
10.	26.12	34.45	4.84		22.60	525.8	10.	26.12	34.45	22.60	525.8	0.053
30. ^A	26.04	34.45			22.63	524.2	20.	26.14	34.44	22.59	527.4	0.106
50. ^A	25.80	34.58			22.80	508.5	30.	26.04	34.45	22.63	524.2	0.159
77.	23.83	35.10	5.38		23.79	419.2	50.	25.80	34.58	22.80	508.5	0.263
106.	22.74	35.20	5.18		24.18	378.8	75.	23.99	35.06	23.71	422.5	0.380
127.	21.24	35.17	5.18		24.58	341.6	100.	22.97	35.21	24.12	384.5	0.481
153.	19.94	34.97	4.60		24.77	323.6	150.	20.08	35.00	24.76	325.2	0.660
178.	18.46	34.86	4.39		25.07	296.1	200.	16.82	34.71	25.35	269.7	0.810
192.	17.68	34.81	4.52		25.22	281.7	250.	12.44	34.23	25.92	215.1	0.932
227.	13.79	34.33	4.13		25.73	233.2	300.	10.27	34.17	26.27	182.0	1.033
254.	12.27	34.22	4.66		25.95	212.5	400.	7.80	34.15	26.66	146.0	1.198
280.	11.20	34.19	3.64		26.12	196.5	500.	6.33	34.24	26.93	120.0	1.332
294.	10.50	34.17	3.29		26.24	185.4	600.	5.74	34.35	27.10	105.4	1.446
405.	7.74	34.15	2.44		26.67	145.1	700.	5.26	34.43	27.21	94.7	1.547
506.	6.27	34.25	1.30		26.95	118.7	800.	4.83	34.48	27.30	86.8	1.639
607.	5.72	34.36	0.88		27.10	104.6	1000.	4.14	34.51	27.40	77.9	1.806
805.	4.79	34.48	0.90		27.31	86.2	1200.	3.54	34.57	27.51	68.1	1.954
1011.	4.11	34.51	1.03		27.41	77.6	1500.	2.93	34.59	27.59	61.1	2.150
1211.	3.91	34.57	1.25		27.52	67.6						
1511.	2.91	34.59	1.64		27.59	60.9						

TEMPERATURE ERROR TERM AT 200. METERS IS 0.15

CROMWELL DRY BULB 25.0	9, STATION WET BULB 22.2	14, 20-28N LAT, 153-56W LONG, CCT. WIND SPEED 18, DIR. C9	8, 1964, 0300 G.C.T.	BAR. 17	TEMP.	WEATHER 01	VIS.	B	CLOUD TYPE 8	COVER	DYN-OPTH.	
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN-OPTH.
C.	26.04	34.87	4.91		22.54	492.7	0.	26.04	34.87	22.94	492.7	0.000
9. ^A	26.04	34.87	4.80		22.54	493.1	10.	26.03	34.87	22.95	493.0	0.050
30. ^A	25.86	34.86			22.59	489.3	20.	25.96	34.86	22.97	491.5	0.099
50. ^A	25.72	34.86			23.04	486.0	30.	25.86	34.86	22.99	489.3	0.149
75.	24.20	34.85			23.49	443.6	50.	25.72	34.86	23.04	486.0	0.247
97.	22.58	34.86	5.12		23.97	398.7	75.	24.20	34.85	23.49	443.6	0.364
120.	21.05	34.92	5.85		24.44	354.5	100.	22.37	34.87	24.03	392.6	0.469
145.	19.45	34.91	4.36		24.88	315.5	150.	19.25	34.91	24.91	310.4	0.646
169.	18.42	34.88	4.45		25.09	293.4	200.	16.09	34.58	25.42	262.6	0.791
182.	17.47	34.76	4.26		25.24	280.1	250.	12.94	34.27	25.86	221.7	0.913
215.	15.02	34.45	3.05		25.56	249.4	300.	10.55	34.15	26.21	187.9	1.016
240.	13.67	34.34	4.22		25.76	230.4	400.	8.11	34.15	26.61	150.3	1.187
264.	11.57	34.18	4.14		25.98	210.1	500.	6.65	34.24	26.89	124.5	1.326
288.	10.58	34.16	3.69		26.15	194.3	600.	5.16	34.26	27.09	104.6	1.441
381.	8.39	34.13	2.91		26.55	155.9	700.	4.77	34.37	27.23	92.6	1.541
474.	7.16	34.24	1.30		26.82	131.2	800.	4.60	34.47	27.32	84.7	1.630
566.	5.42	34.23	0.98		27.04	109.9	1000.	3.95	34.52	27.43	74.6	1.792
750.	4.78	34.44	0.76		27.28	88.4	1200.	3.40	34.56	27.52	66.9	1.935
935.	4.14	34.51	0.99		27.40	77.3						
1119.	3.63	34.54	1.18		27.48	70.5						
1374.	3.00	34.58	1.63		27.57	61.9						

APROM BT DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA													
CROMWELL DRY BULB 22.8	9, STATION WET BULB 21.1	15, 22- 2N LAT, 153-58W LCONG, OCT.	8, 1964, 1300 G.C.T.	8, 1964, 1964, 1300 G.C.T.	BAR. 19	WEATHER 02	VIS.	CLOUD TYPE , COVER	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
0.	25.14	35.09	4.88	23.36	450.4	0.	25.14	35.09	23.39	450.4	0.000										
9.	25.15	35.09	4.96	23.38	451.0	10.	25.15	35.09	23.39	451.0	0.045										
30. ^Δ	25.06	35.10		23.42	448.5	20.	25.11	35.10	23.40	449.9	0.091										
50. ^Δ	25.04	35.10		23.43	448.8	30.	25.06	35.10	23.42	448.5	0.136										
75. ^Δ	24.70	35.11		23.54	439.2	50.	25.04	35.10	23.43	448.8	0.226										
92.	22.98	35.19	5.31	24.10	385.6	75.	24.70	35.11	23.54	439.2	0.338										
100. ^Δ	22.80	35.19		24.16	381.0	100.	22.80	35.19	24.16	381.0	0.442										
114.	22.46	35.20	5.10	24.26	371.5	150.	21.64	35.29	24.56	344.6	0.624										
137.	21.95	35.26	4.94	24.45	354.3	200.	20.74	35.24	24.77	326.1	0.793										
159.	21.45	35.30	4.78	24.62	339.0	250.	17.53	34.80	25.25	280.8	0.946										
173.	21.26	35.31	4.76	24.68	333.7	300.	13.64	34.38	25.80	228.3	1.015										
204.	20.60	35.22	4.66	24.79	324.2	400.	9.37	34.09	26.37	174.6	1.278										
227.	18.99	35.01	4.59	25.05	299.7	500.	7.24	34.10	26.70	143.2	1.438										
252.	17.39	34.78	4.53	25.27	279.1	600.	5.99	34.20	26.94	119.8	1.571										
274.	15.43	34.56	4.58	25.56	251.9	700.	5.30	34.33	27.13	102.8	1.684										
366.	10.47	34.14	4.66	26.22	188.6	800.	4.80	34.41	27.26	91.1	1.782										
458.	8.03	34.08	3.34	26.57	155.5	1000.	4.04	34.50	27.41	77.3	1.952										
550.	6.49	34.14	1.70	26.83	130.4	1200.	3.49	34.55	27.50	68.6	2.100										
735.	5.15	34.37	0.77	27.18	98.1																
921.	4.28	34.47	1.08	27.36	81.8																
1093.	3.81	34.53	1.21	27.45	73.2																
1300.	3.28	34.56	1.40	27.53	66.2																

CROMWELL DRY BULB 25.0	9, STATION WET BULB 22.1	16, 23-28N LAT, 154- 2W LCONG, CCT.	8, 1964, 2100 G.C.T.	8, 1964, 1964, 2100 G.C.T.	BAR. 22	WEATHER 02	VIS. 8	CLOUD TYPE 8, COVER 4	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
0.	25.34	35.05	4.91	23.3C	459.1	0.	25.34	35.05	23.30	459.1	0.000										
10. ^Δ	25.33	35.05	4.84	23.3C	459.2	10.	25.33	35.05	23.30	459.2	0.046										
30. ^Δ	25.33	35.05		23.3C	460.0	20.	25.33	35.05	23.30	459.6	0.093										
50. ^Δ	25.33	35.05		23.30	460.8	30.	25.33	35.05	23.30	460.0	0.139										
75. ^Δ	24.70	35.07		23.51	462.1	50.	25.33	35.05	23.30	460.8	0.232										
101.	22.24	35.16	4.86	24.29	368.0	75.	24.70	35.07	23.51	442.1	0.345										
125.	21.35	35.18	4.88	24.55	343.7	100.	22.34	35.16	24.26	370.8	0.448										
153.	20.15	35.07	4.59	24.79	321.7	150.	20.30	35.09	24.77	324.1	0.623										
177.	18.71	34.94	4.48	25.07	296.3	200.	17.58	34.81	25.25	279.5	0.775										
192.	18.06	34.87	4.41	25.18	286.3	250.	14.18	34.42	25.72	235.3	0.905										
226.	15.82	34.60	4.46	25.5C	256.0	300.	11.80	34.19	26.02	207.3	1.016										
253.	14.00	34.4C	4.92	25.74	233.0	400.	9.17	34.08	26.39	172.2	1.208										
279.	13.17	34.36	4.88	25.88	220.1	500.	6.84	34.02	26.69	143.2	1.367										
303.	11.59	34.16	4.94	26.03	205.5	600.	5.48	34.11	26.94	119.9	1.500										
405.	9.13	34.09	4.72	26.41	170.9	700.	4.77	34.24	27.12	102.5	1.612										
506.	6.71	34.02	2.91	26.71	141.7	800.	4.38	34.36	27.26	89.8	1.710										
606.	5.43	34.12	1.33	26.95	118.7	1000.	3.90	34.50	27.42	76.0	1.877										
807.	4.36	34.37	0.67	27.27	89.1	1200.	3.37	34.55	27.52	66.9	2.022										
1008.	3.89	34.50	1.12	27.42	75.6																
1169.	3.41	34.54	1.39	27.50	68.2																
1382.	2.93	34.57	1.81	27.57	61.8																

CROMWELL DRY BULB 23.8	9, STATION WET BULB 21.1	17, 23-26N LAT, 151- 6W LCONG, CCT.	9, 1964, 1300 G.C.T.	9, 1964, 1964, 1300 G.C.T.	BAR. 21	WEATHER 02	VIS. 8	CLOUD TYPE , COVER	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.OPTH.
0.	24.34	35.32	23.8C	410.8	0.	24.34	35.32	23.80	410.8	0.000											
11. ^Δ	24.34	35.33	23.81	410.5	10.	24.34	35.33	23.81	410.5	0.041											
30. ^Δ	24.34	35.32	23.8C	412.0	20.	24.34	35.33	23.81	411.1	0.083											
50. ^Δ	24.34	35.32	23.8C	412.8	30.	24.34	35.32	23.80	412.0	0.124											
74.	21.99	35.26	24.44	353.0	50.	24.34	35.32	23.80	412.8	0.207											
98.	20.98	35.27	24.72	326.6	75.	21.93	35.26	24.45	351.4	0.304											
122.	20.48	35.24	24.84	316.7	100.	20.93	35.27	24.74	325.5	0.389											
146.	19.98	35.23	24.96	305.6	150.	19.87	35.22	24.98	303.9	0.547											
170.	19.03	35.08	25.09	293.7	200.	17.01	34.75	25.34	271.1	0.692											
184.	18.08	34.91	25.2C	283.6	250.	13.78	34.38	25.77	230.0	0.819											
217.	15.89	34.60	25.48	257.2	300.	11.49	34.23	26.10	198.9	0.927											
243.	14.16	34.41	25.72	235.3	400.	8.81	34.07	26.44	166.9	1.111											
267.	12.93	34.32	25.90	218.1	500.	6.62	34.05	26.74	138.1	1.265											
290.	11.85	34.25	26.05	203.4	600.	5.35	34.16	26.99	114.8	1.393											
385.	9.20	34.09	26.35	171.6	700.	4.76	34.28	27.15	99.6	1.501											
482.	6.94	34.04	26.69	143.0	800.	4.48	34.39	27.27	89.3	1.597											
578.	5.53	34.13	26.95	118.9	1000.	3.96	34.50	27.42	76.1	1.764											
77C.	4.58	34.36	27.24	92.1	1200.	3.46	34.56	27.52	67.3	1.909											
962.	4.06	34.49	27.4C	78.0																	
1148.	3.58	34.54	27.48	70.1																	
1423.	2.94	34.58	27.58	61.5																	

FROM BT DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA										
CROMWELL DRY BULB 25.0	9° STATION WET BULB 22.0	1A, 22- ON LAT., 151° EW LCNG, OCT. WIND SPEED 18, CIR. 07	9, 1964, 2200 G.C.T.	9, 1964, 1964, 2200 G.C.T.	BAR. 21	WEATHER 01	VIS. 7	CLOUD TYPE 8, COVER 4	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DELT A	DYN.OPTH.
0.0.	25.58	34.93	23.13	474.8	0.	25.58	34.93	23.13	474.8	0.000								
10.0.	25.51	34.93	23.15	473.1	10.	25.51	34.93	23.15	473.1	0.048								
30.0.	25.51	34.93	23.15	473.9	20.	25.50	34.93	23.16	473.2	0.095								
50.0.	25.51	34.93	23.15	474.7	30.	25.51	34.93	23.15	473.9	0.143								
77.0.	23.31	35.17	23.99	395.6	50.	25.51	34.93	23.15	474.7	0.239								
102.0.	22.04	35.19	24.37	360.5	75.	23.50	35.15	23.92	402.2	0.349								
127.0.	21.33	35.24	24.61	338.9	100.	22.12	35.19	24.35	362.4	0.445								
153.0.	20.51	35.22	24.81	320.0	150.	20.62	35.23	24.79	322.2	0.618								
177.0.	19.20	35.04	25.02	301.0	200.	18.28	34.92	25.16	288.3	0.772								
193.0.	18.75	34.99	25.10	294.2	250.	14.50	34.42	25.65	241.9	0.905								
226.0.	16.18	34.61	25.43	263.2	300.	11.89	34.16	25.98	210.8	1.020								
254.0.	14.24	34.39	25.68	238.7	400.	8.34	34.08	26.52	159.4	1.206								
279.0.	12.81	34.24	25.86	221.9	500.	6.30	34.06	26.79	133.2	1.354								
304.0.	11.73	34.15	26.00	208.8	600.	5.13	34.18	27.03	110.4	1.477								
404.0.	8.23	34.08	26.54	157.6	700.	4.60	34.30	27.19	96.3	1.582								
507.0.	6.20	34.06	26.81	131.8	800.	4.38	34.39	27.29	87.5	1.674								
607.0.	5.07	34.19	27.05	109.0	1000.	3.86	34.51	27.43	74.8	1.839								
808.0.	4.37	34.40	27.29	87.0	1200.	3.35	34.55	27.52	67.0	1.982								
1010.0.	3.84	34.51	27.43	74.3														
1202.0.	3.34	34.55	27.52	66.9														
1437.0.	2.81	34.58	27.59	60.0														
CROMWELL DRY BULB 24.6	9° STATION WET BULB 21.8	19, 20-26N LAT., 150-59W LCNG, OCT. 10, 1964, 0800 G.C.T. WIND SPEED 18, CIR. 07	BAR. 19	WEATHER 02	DEPTH	TEMP.	SAL.	SIGMA-T	DELT A	DYN.OPTH.								
0.0.	25.86	34.84	22.58	489.6	0.	25.86	34.84	22.98	489.6	0.000								
11.0.	25.84	34.84	22.58	489.4	10.	25.84	34.84	22.98	489.4	0.049								
30.0.	25.82	34.84	22.59	489.6	20.	25.83	34.84	22.99	489.4	0.099								
50.0.	25.80	34.84	23.00	489.8	30.	25.82	34.84	22.99	489.6	0.148								
74.0.	24.51	34.90	23.43	448.8	50.	25.80	34.84	23.00	489.8	0.247								
98.0.	23.14	35.07	23.97	398.9	75.	24.45	34.91	23.46	446.5	0.364								
122.0.	22.48	35.13	24.20	377.6	100.	23.08	35.08	23.99	396.8	0.471								
147.0.	21.47	35.26	24.58	341.9	150.	21.33	35.25	24.61	339.1	0.656								
171.0.	20.32	35.14	24.80	321.6	200.	18.96	35.01	25.06	298.0	0.817								
185.0.	19.65	35.10	24.95	308.1	250.	15.39	34.52	25.54	252.9	0.956								
218.0.	17.96	34.86	25.19	285.5	300.	11.83	34.18	26.01	208.2	1.072								
244.0.	15.83	34.58	25.48	258.2	400.	8.51	34.11	26.52	159.8	1.257								
269.0.	14.03	34.37	25.71	236.3	500.	6.94	34.23	26.84	129.1	1.403								
293.0.	12.22	34.21	25.95	213.2	600.	6.01	34.33	27.05	110.4	1.524								
391.0.	8.71	34.10	26.48	163.2	700.	5.43	34.41	27.18	98.1	1.630								
489.0.	7.07	34.22	26.82	131.7	800.	5.01	34.47	27.27	89.8	1.725								
586.0.	6.11	34.32	27.02	112.5	1000.	4.22	34.51	27.40	78.6	1.895								
782.0.	5.09	34.46	27.26	91.2	1200.	3.62	34.55	27.49	70.6	2.046								
979.0.	4.29	34.51	27.35	79.5														
1169.0.	3.74	34.54	27.47	72.2														
1428.0.	3.09	34.57	27.56	64.0														
CROMWELL DRY BULB 22.4	9° STATION WET BULB 21.1	20, 18-54N LAT., 150-58W LCNG, OCT. 10, 1964, 1700 G.C.T. WIND SPEED 2G, CIR. C7	BAR. 17	WEATHER 21	DEPTH	TEMP.	SAL.	SIGMA-T	DELT A	DYN.OPTH.								
0.0.	25.51	34.72	23.00	487.9	0.	25.51	34.72	23.00	487.9	0.000								
11.0.	25.54	34.72	22.55	489.2	10.	25.54	34.72	22.99	489.1	0.049								
30.0.	25.54	34.72	22.59	489.9	20.	25.55	34.72	22.98	489.7	0.098								
50.0.	25.52	34.72	22.55	490.1	30.	25.54	34.72	22.99	489.9	0.148								
75.0.	25.50	34.72	23.00	490.6	50.	25.52	34.72	22.99	490.1	0.247								
103.0.	22.89	35.07	24.04	392.2	75.	25.50	34.72	23.00	490.6	0.370								
129.0.	21.86	35.22	24.44	354.5	100.	23.20	35.03	23.92	403.6	0.483								
154.0.	21.05	35.24	24.66	332.6	150.	21.17	35.24	24.65	335.5	0.669								
181.0.	20.15	35.18	24.88	314.8	200.	19.34	35.07	25.01	303.1	0.830								
212.0.	18.61	34.96	25.11	293.6	250.	14.75	34.44	25.61	245.6	0.968								
231.0.	16.83	34.71	25.35	270.6	300.	11.75	34.19	26.03	206.1	1.082								
258.0.	13.95	34.34	25.71	236.5	400.	9.33	34.39	26.61	151.9	1.263								
284.0.	12.58	34.23	25.90	218.4	500.	7.75	34.40	26.86	128.4	1.404								
309.0.	11.32	34.19	26.10	199.4	600.	6.52	34.38	27.02	113.8	1.526								
412.0.	9.22	34.43	26.66	147.4	700.	5.72	34.41	27.14	102.3	1.636								
512.0.	7.58	34.39	26.88	126.8	800.	5.17	34.45	27.24	93.1	1.734								
614.0.	6.38	34.38	27.04	112.1	1000.	4.39	34.52	27.38	80.5	1.910								
817.0.	5.10	34.46	27.26	91.7	1200.	3.77	34.56	27.48	71.6	2.064								
1016.0.	4.34	34.52	27.39	79.7	1500.	2.97	34.59	27.58	61.7	2.267								
1218.0.	3.72	34.56	27.45	70.9														
1519.0.	2.93	34.59	27.59	61.2														

APROM ST DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA													
CROMWELL DRY BULB	9, STATION 24.9	21, 17-29N LAT, 150-57W LCNG, OCT. 11, 1964, 0200 G.C.T.	WET BULB 22.8	WIND SPEED 18, CIR. C5	BAR. 15	WEATHER 03	VIS. 8	CLOUD TYPE 9, COVER 5	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
									0.	25.94	34.65			22.81	505.6	0.	25.94	34.65	22.81	505.6	0.000
C.	25.94	34.65							10.	25.78	34.65			22.86	501.4		25.78	34.65	22.86	501.4	0.051
11.	25.77	34.65							20.	25.70	34.65			22.99	498.8		25.70	34.65	22.99	498.8	0.101
50. ^a	25.56	34.70							30.	25.63	34.67			22.92	496.6		25.63	34.67	22.92	496.6	0.151
78.	25.38	34.78							50.	25.56	34.67			22.96	492.8		25.56	34.67	22.96	492.8	0.251
98.	23.27	34.68							75.	25.48	34.78			23.05	485.8		25.48	34.78	23.05	485.8	0.374
127.	21.88	35.00							100.	23.15	34.70			23.68	425.9		23.15	34.70	23.68	425.9	0.489
154.	20.02	34.84							150.	20.34	34.88			24.60	340.1		20.34	34.88	24.60	340.1	0.682
179.	17.61	34.63							200.	15.96	34.54			25.42	262.9		15.96	34.54	25.42	262.9	0.834
194.	16.50	34.59							250.	11.65	34.24			26.08	199.9		11.65	34.24	26.08	199.9	0.951
228.	13.41	34.29							300.	10.69	34.49			26.45	165.2		10.69	34.49	26.45	165.2	1.043
254.	11.41	34.24							400.	8.90	34.49			26.75	138.0		8.90	34.49	26.75	138.0	1.196
280.	11.05	34.38							500.	7.95	34.49			26.90	124.9		7.95	34.49	26.90	124.9	1.328
306.	10.57	34.52							600.	6.80	34.46			27.04	111.6		6.80	34.46	27.04	111.6	1.448
406.	8.81	34.47							700.	5.97	34.46			27.15	101.7		5.97	34.46	27.15	101.7	1.556
508.	7.89	34.49							800.	5.40	34.48			27.24	94.1		5.40	34.48	27.24	94.1	1.655
609.	6.70	34.46							900.	4.56	34.51			27.36	83.2		4.56	34.51	27.36	83.2	1.834
811.	5.35	34.48							1000.	3.81	34.55			27.47	72.8		3.81	34.55	27.47	72.8	1.992
1012.	4.52	34.51							1200.	3.03	34.59			27.58	62.4		3.03	34.59	27.58	62.4	2.198
1212.	3.77	34.55							1500.	2.20	34.64			27.69	51.3		2.20	34.64	27.69	51.3	2.487
1514.	3.00	34.59							2500.	1.83	34.67			27.74	46.5		1.83	34.67	27.74	46.5	2.736
2011.	2.19	34.64							3000.	1.63	34.69			27.77	43.8		1.63	34.69	27.77	43.8	2.966
2511.	1.83	34.67							4000.	1.48	34.70			27.79	43.9		1.48	34.70	27.79	43.9	3.416
2909.	1.66	34.69							5000.												
4007.	1.48	34.70																			
4999.	1.44	34.71																			

CROMWELL DRY BULB	9, STATION 24.4	22, 15-59N LAT, 151- 2W LCNG, OCT. 11, 1964, 1200 G.C.T.	WET BULB 21.8	WIND SPEED 02, CIR. C9	BAR. 17	WEATHER 01	VIS.	CLOUD TYPE 6, COVER 6	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
									0.	26.09	34.22			22.44	541.0		26.09	34.22	22.44	541.0	0.000
C.	26.09	34.22							10.	26.07	34.22			22.45	540.7		26.07	34.22	22.45	540.7	0.054
9.	26.08	34.22							20.	25.95	34.24			22.50	535.9		25.95	34.24	22.50	535.9	0.109
30. ^a	25.78	34.28							30.	25.78	34.28			22.58	528.7		25.78	34.28	22.58	528.7	0.162
50. ^a	25.42	34.36							40.	25.42	34.36			22.75	513.1		25.42	34.36	22.75	513.1	0.267
67.	23.80	34.75							50.	25.42	34.36			22.75	513.1		25.42	34.36	22.75	513.1	0.267
75.	22.70	34.96							75.	22.70	34.96			24.01	393.9		22.70	34.96	24.01	393.9	0.362
91.	21.66	35.06							100.	21.32	35.09			24.50	348.4		21.32	35.09	24.50	348.4	0.475
113.	20.39	35.08							150.	16.30	34.60			25.39	264.2		16.30	34.60	25.39	264.2	0.629
135.	18.26	34.85							200.	11.89	34.54			26.27	180.9		11.89	34.54	26.27	180.9	0.742
156.	15.48	34.50							250.	11.05	34.70			26.55	154.9		11.05	34.70	26.55	154.9	0.826
170.	13.72	34.32							300.	10.51	34.70			26.65	147.0		10.51	34.70	26.65	147.0	0.902
199.	11.92	34.53							400.	9.43	34.65			26.79	134.6		9.43	34.65	26.79	134.6	1.044
223.	11.48	34.68							500.	8.27	34.58			26.93	122.7		8.27	34.58	26.93	122.7	1.174
245.	11.12	34.70							600.	7.31	34.54			27.03	113.5		7.31	34.54	27.03	113.5	1.294
267.	10.82	34.70							700.	6.47	34.51			27.13	105.0		6.47	34.51	27.13	105.0	1.404
352.	10.06	34.68							800.	5.83	34.51			27.21	97.4		5.83	34.51	27.21	97.4	1.506
439.	8.91	34.62							900.	4.77	34.53			27.35	84.1		4.77	34.53	27.35	84.1	1.690
526.	8.02	34.57							1000.	3.93	34.55			27.46	73.8		3.93	34.55	27.46	73.8	1.850
699.	6.48	34.51							1200.												
875.	5.42	34.52																			
1054.	4.52	34.54																			
1332.	3.50	34.57																			

CROMWELL DRY BULB	9, STATION 25.3	23, 14-36N LAT, 151- 1W LCNG, OCT. 11, 1964, 2000 G.C.T.	WET BULB 23.9	WIND SPEED 10, CIR. C4	BAR. 17	WEATHER 03	VIS.	CLOUD TYPE 6, COVER 6	DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
									0.	26.50	33.95			22.11	572.7		26.50	33.95	22.11	572.7	0.000
C.	26.50	33.95							10.	26.42	33.95			22.13	570.7		26.42	33.95	22.13	570.7	0.058
10. ^a	26.42	33.95							20.	26.40	33.95			22.14	570.9		26.40	33.95	22.14	570.9	0.115
50. ^a	26.40	33.95							30.	26.40	33.95			22.17	568.7		26.40	33.95	22.17	568.7	0.173
76.	18.63	34.43							40.	26.30	33.95			22.17	568.7		26.30	33.95	22.17	568.7	0.267
101.	13.77	34.37							50.	26.30	33.95			22.17	568.7		26.30	33.95	22.17	568.7	0.402
127.	11.65	34.28							60.	26.22	33.95			22.17	567.0		26.22	33.95	22.17	567.0	0.473
152.	10.71	34.40							70.	26.12	33.95			22.17	566.9		26.12	33.95	22.17	566.9	0.573
177.	10.37	34.47							80.	26.04	33.95			22.17	566.9		26.04	33.95	22.17	566.9	0.654
192.	10.38	34.56							90.	26.04	33.95			22.17	565.6		26.04	33.95	22.17	565.6	0.728
226.	9.97	34.55							100.	26.04	33.95			22.17	564.3		26.04	33.95	22.17	564.3	0.797
253.	9.36	34.51							110.	26.04	33.95			22.17	563.0		26.04	33.95	22.17	563.0	0.923
279.	9.05	34.53							120.	26.04	33.95			22.17	561.7		26.04	33.95	22.17	561.7	1.037
304.	8.75	34.52							130.	26.04	33.95			22.17	560.4		26.04	33.95	22.17	560.4	1.141
405.	7.60	34.49							140.	26.04	33.95										

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL DRY BULB 26.1	9° STATION 24° 12'-59N LAT, 150°-59W LONG, OCT. 12, 1964, 0600 G.C.T.	WET BULB 23.3	WIND SPEED 05, CIR. 06	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN. DPTH.
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN. DPTH.
0.	26.47	34.14			22.26	558.2	0.	26.47	34.14	22.26	558.2	0.000
10.△	26.39	34.29			22.40	545.4	10.	26.39	34.29	22.40	545.4	0.056
30.△	26.26	34.37			22.50	536.5	20.	26.34	34.34	22.45	540.7	0.110
50.△	25.81	34.57			22.75	509.5	30.	26.26	34.37	22.50	536.5	0.165
75.	21.01	34.72			24.30	366.2	50.	25.81	34.57	22.79	509.5	0.270
99.	17.95	34.79			25.14	286.4	75.	21.01	34.72	24.30	366.2	0.380
124.	15.10	34.46			25.55	247.7	100.	17.84	34.78	25.16	284.6	0.462
148.	11.96	34.28			26.06	199.8	150.	11.77	34.27	26.08	197.2	0.584
172.	10.59	34.30			26.32	174.7	200.	10.82	34.63	26.54	155.1	0.672
186.	10.72	34.52			26.47	161.0	250.	10.39	34.69	26.66	144.5	0.748
219.	10.82	34.68			26.58	151.8	300.	9.59	34.65	26.76	135.3	0.818
245.	10.46	34.69			26.65	145.4	400.	8.14	34.57	26.93	120.2	0.947
271.	10.08	34.67			26.70	141.0	500.	7.15	34.54	27.06	109.3	1.063
295.	9.67	34.65			26.75	136.2	600.	6.30	34.54	27.17	99.0	1.168
393.	8.22	34.57			26.92	121.1	700.	5.62	34.54	27.26	91.3	1.265
492.	7.22	34.54			27.05	110.2	800.	5.08	34.54	27.32	85.2	1.354
591.	6.37	34.54			27.16	99.8	1000.	4.26	34.56	27.43	75.5	1.516
787.	5.14	34.54			27.32	86.0	1200.	3.64	34.59	27.52	67.7	1.662
984.	4.32	34.56			27.42	76.2						
1180.	3.71	34.59			27.51	68.3						
1478.	3.02	34.61			27.59	60.6						

CROMWELL DRY BULB 25.8	9° STATION 25°, 11-27N LAT, 150°-54W LONG, CCT. 12, 1964, 1600 G.C.T.	WET BULB 23.8	WIND SPEED 12, CIR. 05	BAR. 15	WEATHER 01	VIS. 8	CLOUD TYPE , COVER					
DEPTH	TEMP.	SAL.	CXY.	PC4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	CYN. DPTH.
0.	26.89	33.65			21.76	606.1	0.	26.89	33.65	21.76	606.1	0.000
10.△	26.84	33.66			21.78	604.3	10.	26.84	33.66	21.78	604.3	0.061
20.△	26.80	33.68			21.81	602.0	20.	26.80	33.68	21.81	602.0	0.122
30.△	26.60	33.71			21.90	594.2	30.	26.60	33.71	21.90	594.2	0.182
50.△	20.50	34.13			23.99	394.9	50.	20.50	34.13	23.99	394.9	0.282
77.	13.62	34.34			25.78	225.0	75.	14.02	34.33	25.69	233.4	0.361
102.	11.44	34.37			26.22	182.7	100.	11.51	34.37	26.21	184.0	0.413
127.	11.17	34.54			26.41	166.0	150.	11.03	34.66	26.52	155.4	0.499
153.	11.01	34.67			26.54	154.3	200.	10.46	34.72	26.67	142.5	0.574
178.	10.66	34.70			26.62	146.6	250.	10.09	34.70	26.72	138.7	0.665
193.	10.57	34.72			26.65	143.9	300.	9.40	34.66	26.81	131.0	0.713
226.	10.09	34.69			26.71	138.7	400.	8.60	34.62	26.91	123.2	0.841
254.	10.09	34.70			26.72	138.6	500.	7.61	34.56	27.01	114.3	0.961
280.	9.63	34.67			26.78	133.8	600.	6.70	34.55	27.13	103.7	1.071
305.	9.35	34.66			26.82	130.5	700.	5.98	34.55	27.22	95.5	1.172
406.	8.56	34.62			26.91	122.9	800.	5.41	34.55	27.29	88.9	1.265
508.	7.53	34.56			27.02	113.5	1000.	4.45	34.56	27.41	78.1	1.434
609.	6.62	34.55			27.14	102.8	1200.	3.80	34.58	27.49	70.3	1.584
810.	5.36	34.55			27.30	88.4	1500.	3.05	34.61	27.59	61.2	1.784
1011.	4.41	34.56			27.41	77.6	2000.	2.28	34.65	27.69	51.6	2.071
1213.	3.76	34.58			27.50	69.9	2500.	1.90	34.67	27.74	47.4	2.323
1511.	3.03	34.61			27.59	60.9	3000.	1.73	34.68	27.76	46.1	2.561
2010.	2.27	34.65			27.69	51.4	4000.	1.46	34.70	27.79	43.6	3.021
2509.	1.90	34.67			27.74	47.3						
3006.	1.73	34.68			27.76	46.1						
4003.	1.46	34.70			27.75	43.6						

CROMWELL DRY BULB 26.0	9° STATION 26°, 10- IN LAT, 148°-2W LONG, CCT. 13, 1964, 1100 G.C.T.	WET BULB 24.0	WIND SPEED 12, CIR. 09	BAR. 15	WEATHER 01	VIS.	CLOUD TYPE , COVER					
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	CELTIA	DEPTH	TEMP.	SAL.	SIGMA-T	CELTIA	DYN. DPTH.
0.	26.58	33.14	4.92		21.47	633.5	0.	26.58	33.14	21.47	633.5	0.000
9.△	26.61	33.14	4.69		21.46	634.7	10.	26.44	33.18	21.55	626.7	0.063
30.△	21.70	34.25			23.75	416.6	20.	24.41	33.67	22.54	532.6	0.122
48.	18.34	34.66	4.29		24.95	303.4	30.	21.70	34.25	23.75	416.6	0.170
72.	13.75	34.36	2.91		25.76	226.0	50.	17.90	34.64	25.04	294.2	0.241
96.	12.29	34.55	0.83		26.20	184.7	75.	13.46	34.37	25.83	219.5	0.306
118.	11.72	34.69	0.39		26.42	164.6	100.	12.16	34.58	26.25	180.2	0.356
142.	11.11	34.74	0.27		26.57	150.6	150.	10.97	34.74	26.60	148.5	0.439
165.	10.77	34.73	0.42		26.63	146.0	200.	10.49	34.73	26.69	140.8	0.512
179.	10.62	34.73	0.43		26.65	143.7	250.	9.95	34.71	26.76	135.1	0.582
211.	10.33	34.73	0.40		26.70	139.5	300.	9.52	34.69	26.81	130.6	0.649
236.	10.09	34.72	0.36		26.74	136.7	400.	8.94	34.66	26.88	125.5	0.778
259.	9.86	34.71	0.43		26.77	134.1	500.	8.27	34.63	26.96	119.5	0.902
283.	9.64	34.70	0.56		26.80	131.8	600.	7.47	34.59	27.05	112.2	1.019
377.	9.08	34.67	0.59		26.87	126.8	700.	6.57	34.56	27.15	102.8	1.127
471.	8.47	34.64	0.79		26.94	121.2	800.	5.81	34.55	27.24	94.3	1.227
564.	7.80	34.60	0.47		27.01	115.5	1000.	4.80	34.57	27.38	82.0	1.405
753.	6.11	34.55	0.58		27.20	97.7	1200.	3.99	34.58	27.48	72.5	1.562
942.	5.07	34.56	0.99		27.34	85.3						
1132.	4.25	34.58	1.33		27.45	75.3						
1377.	3.44	34.59	1.68		27.54	66.5						

TEMPERATURE ERROR TERM AT 2C. METERS IS 0.33
SALINITY ERROR TERM AT 2C. METERS IS 0.09

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL DRY BULB 26.0		9, STATION 27, 11-28N LAT, 147-59W LONG, OCT. 13, 1964, 2000 G.C.T. WET BULB 24.1 WIND SPEED 16, CIR. 07 BAR. 16 WEATHER 02 VIS. 8 CLOUD TYPE B, COVER 3													
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	OYN-OPTH.			
0.	26.81	33.31	4.70		21.53	628.2	0.	26.81	33.31	21.53	628.2	0.000			
10.	26.81	33.31	4.79		21.53	628.6	10.	26.81	33.31	21.53	628.6	0.063			
20.△	26.74	33.31			21.55	626.8	20.	26.74	33.31	21.55	626.8	0.127			
30.△	24.60	33.30			22.20	565.0	30.	24.60	33.30	22.20	565.0	0.187			
51.	16.85	33.43	3.55		24.37	358.6	50.	17.22	33.41	24.27	368.1	0.281			
77.	12.99	34.55	0.87		26.07	197.4	75.	13.12	34.46	25.97	206.4	0.353			
102.	11.99	34.75	0.27		26.42	164.7	100.	12.01	34.75	26.41	164.8	0.400			
126.	11.53	34.77	0.27		26.52	155.5	150.	11.18	34.76	26.58	150.4	0.479			
153.	11.14	34.76	0.30		26.58	149.9	200.	10.60	34.73	26.65	144.1	0.553			
178.	10.89	34.75	0.40		26.62	146.9	250.	10.18	34.72	26.72	138.4	0.624			
193.	10.68	34.73	0.53		26.64	145.1	300.	9.78	34.71	26.78	133.7	0.693			
226.	10.37	34.73	0.59		26.70	140.5	400.	9.17	34.67	26.85	128.5	0.825			
254.	10.15	34.72	0.58		26.73	138.1	500.	8.25	34.62	26.96	119.6	0.951			
279.	9.94	34.71	0.47		26.76	135.9	600.	7.26	34.57	27.07	110.0	1.067			
304.	9.75	34.71	0.49		26.79	133.3	700.	6.91	34.55	27.17	100.9	1.173			
405.	9.14	34.67	0.34		26.86	128.3	800.	5.71	34.55	27.25	92.9	1.271			
506.	8.19	34.62	0.44		26.97	119.0	1000.	4.78	34.56	27.37	82.2	1.446			
607.	7.19	34.57	0.42		27.07	109.4	1200.	4.10	34.58	27.46	74.1	1.607			
808.	5.66	34.55	0.84		27.26	92.3	1500.	3.29	34.61	27.57	64.2	1.817			
1010.	4.74	34.56	1.00		27.38	81.8									
1211.	4.07	34.58	1.33		27.47	73.7									
1511.	3.27	34.61	1.68		27.57	63.9									

CROMWELL DRY BULB 26.1		9, STATION 28, 12-58N LAT, 147-59W LONG, OCT. 14, 1964, 0500 G.C.T. WET BULB 23.7 WIND SPEED 19, DIR. 07 BAR. 16 WEATHER 02 VIS. 7 CLOUD TYPE B, COVER 2													
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	OYN-OPTH.			
0.	26.55	33.66	4.87		21.87	595.1	0.	26.55	33.66	21.87	595.1	0.000			
10.	26.57	33.66	4.84		21.87	596.1	10.	26.57	33.66	21.87	596.1	0.060			
20.△	26.50	33.66			21.89	594.4	20.	26.50	33.66	21.89	594.4	0.120			
30.△	26.00	33.77			22.13	571.9	30.	26.00	33.77	22.13	571.9	0.179			
50.	19.69	34.60	4.74		24.56	340.6	50.	19.69	34.60	24.56	340.6	0.271			
77.	15.23	34.45	3.90		25.52	249.8	75.	15.46	34.49	25.49	252.1	0.345			
100.	12.16	34.33	2.04		26.66	198.6	100.	12.16	34.33	26.06	198.6	0.402			
124.	11.58	34.57	0.57		26.35	171.0	150.	11.36	34.73	26.52	156.0	0.491			
150.	11.36	34.73	0.35		26.52	156.0	200.	10.59	34.71	26.64	145.4	0.567			
174.	10.91	34.72	0.37		26.59	149.3	250.	10.02	34.69	26.73	138.1	0.639			
189.	10.72	34.71	0.28		26.62	147.1	300.	9.41	34.65	26.80	132.1	0.707			
222.	10.33	34.70	0.26		26.68	141.9	400.	8.54	34.62	26.91	122.5	0.835			
248.	10.04	34.69	0.33		26.72	138.4	500.	7.74	34.59	27.01	114.4	0.955			
274.	9.76	34.68	0.32		26.76	135.0	600.	6.83	34.56	27.12	104.9	1.066			
298.	9.43	34.65	0.36		26.79	132.3	700.	6.09	34.54	27.20	97.2	1.168			
396.	8.57	34.62	0.33		26.91	122.8	800.	5.51	34.54	27.27	90.9	1.263			
496.	7.78	34.59	0.41		27.01	114.8	1000.	4.73	34.56	27.38	81.5	1.437			
595.	6.87	34.56	0.58		27.11	105.3	1200.	3.96	34.58	27.48	72.4	1.593			
793.	5.54	34.54*	0.79		27.27	91.3									
993.	4.76	34.56	1.06		27.38	81.9									
1190.	3.98	34.58	2.23		27.48	72.4									
1380.	3.34	34.59	1.82		27.55	65.3									

CROMWELL DRY BULB 25.0		9, STATION 29, 14-29N LAT, 147-58W LONG, OCT. 14, 1964, 1400 G.C.T. WET BULB 22.4 WIND SPEED 20, DIR. 06 BAR. 16 WEATHER 02 VIS. 8 CLOUD TYPE B, COVER													
DEPTH	TEMP.	SAL.	CXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	OYN-OPTH.			
1.	26.36	33.78	4.86		22.02	580.8	0.	26.36	33.78	22.02	580.8	0.000			
11.	26.37	33.70	4.91		22.02	581.5	10.	26.37	33.78	22.02	581.5	0.059			
10.△	26.26	33.78			22.06	579.0	20.	26.53	33.74	21.94	589.5	0.118			
52.	22.00	34.52	4.84		23.87	405.9	30.	26.26	33.78	22.06	579.0	0.176			
78.	18.45	34.63	4.60		24.93	305.5	50.	22.46	34.45	23.69	423.3	0.277			
103.	14.88	34.36	3.29		25.54	248.3	75.	18.82	34.69	24.85	313.4	0.370			
128.	12.22	34.20	3.50		25.95	209.9	100.	15.29	34.42	25.48	293.6	0.442			
154.	10.86	34.27	2.47		26.25	181.1	150.	11.00	34.25	26.21	185.0	0.552			
179.	10.34	34.41	1.54		26.45	162.5	200.	10.23	34.52	26.56	152.7	0.637			
174.	10.30	34.51	1.00		26.54	154.8	250.	9.94	34.63	26.69	141.6	0.711			
228.	9.91	34.55	0.65		26.64	146.1	300.	9.30	34.61	26.78	133.4	0.781			
255.	9.05	34.64	0.30		26.70	140.7	400.	8.29	34.57	26.91	122.2	0.910			
273.*	9.80*	34.64	0.28		26.72	138.6	500.	7.32	34.54	27.03	112.0	1.029			
281.	9.65	34.63	0.33		26.74	137.0	600.	6.43	34.53	27.15	101.6	1.136			
306.	9.19	34.60	0.37		26.79	132.3	700.	5.72	34.51	27.22	94.6	1.235			
406.	0.25	34.57	0.39		26.92	121.8	800.	5.13	34.52	27.30	87.6	1.327			
508.	7.23	34.54	0.41		27.05	110.6	1000.	4.34	34.55	27.41	77.5	1.494			
516.*	7.13	34.55	0.53		27.07	108.6	1200.	3.70	34.58	27.50	69.0	1.642			
608.	0.34	34.52	0.58		27.15	101.6									
811.	5.07	34.52	0.83		27.31	86.8									
1012.	4.30	34.55	1.08		27.42	77.0									
1200.**	3.70**	34.58**			27.50	69.0									

TEMPERATURE ERROR TERM AT 20 METERS IS 0.13

FROM BT DATA

*INTERPOLATED DATA

**EXTRAPOLATED DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL		9, STATION 30, 16- ON LAT, 147-57W LONG, OCT. 14, 1964, 2300 G.C.T.													
DRY BULB 24.8		WET BULB 21.9 WIND SPEED 17, DIR. 08		BAR. 17		WEATHER 02		VIS. 8		CLOUD TYPE 8, COVER 4					
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
0.	26.29	33.84	4.82	22.09	574.4	0.	26.29	33.84	22.09	574.4	0.000				
9.	26.25	33.84	4.84	22.10	573.5	10.	26.25	33.84	22.10	573.5	0.058				
20. [△]	26.23	33.84		22.11	573.4	20.	26.23	33.84	22.11	573.4	0.116				
30. [△]	26.20	33.85		22.13	572.1	30.	26.20	33.85	22.13	572.1	0.173				
50. [△]	23.80	34.28		23.18	472.4	50.	23.80	34.28	23.18	472.4	0.278				
71.	20.27	34.72	5.12	24.50	347.1	75.	19.58	34.70	24.66	351.3	0.380				
93.	16.66	34.48	3.96	25.21	279.2	100.	15.69	34.42	25.39	262.7	0.455				
117.	13.77	34.31	3.18	25.72	231.3	150.	11.89	34.32	26.10	195.6	0.570				
141.	12.27	34.30	1.94	26.01	203.8	200.	11.12	34.62	26.47	161.2	0.660				
164.	11.49	34.40	1.74	26.24	182.9	250.	9.44	34.42	26.62	148.2	0.718				
176.	11.33	34.54	0.83	26.38	170.0	300.	9.39	34.55	26.72	148.9	0.410				
207.	11.00	34.60	0.74	26.48	160.5	400.	8.11	34.50	26.88	124.8	0.163				
232.	9.97	34.48	0.88	26.57	152.3	500.	6.90	34.45	27.02	112.7	1.063				
255.	9.35	34.42	1.11	26.63	147.1	600.	6.07	34.47	27.14	101.2	1.171				
278.	9.50	34.52	0.44	26.68	142.6	700.	5.44	34.49	27.24	92.3	1.269				
372.	8.49	34.52	0.32	26.84	128.5	800.	4.96	34.52	27.32	85.3	1.359				
466.	7.25	34.45	0.40	26.97	116.9	1000.	4.25	34.54	27.42	77.0	1.523				
605.	6.04	34.47	0.52	27.15	100.7	1200.	3.57	34.57	27.51	68.3	1.670				
804.	4.94	34.52	0.79	27.32	85.1	1500.	2.88	34.60	27.60	59.8	1.365				
1005.	4.23	34.54	0.98	27.42	76.8										
1204.	3.56	34.57	1.24	27.51	68.1										
1506.	2.87	34.60	1.58	27.60	59.7										
CROMWELL		9, STATION 31, 17-29N LAT, 148-3W LONG, OCT. 15, 1964, 0900 G.C.T.													
DRY BULB 25.0		WET BULB 22.2 WIND SPEED 26, DIR. 07		BAR. 18		WEATHER 02		VIS. 8		CLOUD TYPE , COVER					
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
1.	25.71	34.29	4.77	22.61	524.4	0.	25.71	34.29	22.61	524.4	0.000				
8. [△]	25.75	34.29	4.82	22.60	526.2	10.	25.74	34.29	22.60	526.3	0.053				
20. [△]	25.60	34.29		22.64	522.3	20.	25.60	34.29	22.64	522.3	0.106				
30. [△]	25.30	34.36		22.79	508.8	30.	25.31	34.36	22.79	508.8	0.158				
50. [△]	25.28	34.37		22.80	508.3	50.	25.28	34.37	22.80	508.3	0.200				
75. [△]	23.70	34.80		23.60	433.1	75.	23.70	34.80	23.60	433.1	0.379				
99.	22.54	35.05	5.05	24.12	383.9	100.	22.49	35.06	24.14	382.3	0.481				
123.	21.38	35.11	4.89	24.49	349.5	150.	19.76	35.03	24.87	314.6	0.657				
148.	19.99	35.06	4.66	24.83	318.2	200.	15.04	34.46	25.56	249.0	0.799				
172.	17.24	34.69	4.14	25.24	279.6	250.	10.83	34.17	26.19	190.3	0.910				
186.	16.34	34.60	4.18	25.38	266.2	300.	9.42	34.28	26.51	159.6	0.998				
219.	13.16	34.27	3.92	25.81	224.9	400.	8.47	34.48	26.32	131.5	1.145				
245.	11.11	34.17	3.75	26.13	194.9	500.	7.23	34.46	26.98	116.5	1.270				
270.	10.00	34.19	3.23	26.34	175.0	600.	6.40	34.46	27.10	106.0	1.382				
294.	9.50	34.26	2.27	26.48	162.1	700.	5.73	34.48	27.20	97.0	1.485				
391.	8.59	34.48	0.88	26.80	133.4	800.	5.20	34.50	27.29	89.4	1.579				
489.	7.34	34.46	0.84	26.97	117.8	1000.	4.41	34.54	27.40	78.9	1.750				
585.	6.51	34.46	0.75	27.08	107.5	1200.	3.78	34.56	27.48	71.3	1.902				
780.	5.29	34.50	0.63	27.27	90.8										
975.	4.50	34.54	0.86	27.39	79.9										
1171.	3.87	34.55	1.10	27.46	73.1										
1467.	3.16	34.59	1.48	27.57	63.7										
CROMWELL		9, STATION 32, 18-58N LAT, 147-59W LONG, OCT. 15, 1964, 1800 G.C.T.													
DRY BULB 23.9		WET BULB 22.0 WIND SPEED 18, DIR. 06		BAR. 18		WEATHER 02		VIS. 8		CLOUD TYPE 8, COVER 7					
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
0.	24.92	35.02	5.03	23.40	449.0	0.	24.92	35.02	23.42	448.0	0.045				
10. [△]	24.87	35.02	4.98	23.42	448.0	10.	24.87	35.02	23.43	447.4	0.090				
30. [△]	24.80	35.02		23.44	446.8	20.	24.84	35.02	23.44	446.8	0.135				
50. [△]	24.68	35.03		23.48	443.4	30.	24.80	35.02	23.48	443.4	0.225				
77.	23.12	35.13	5.30	24.02	393.2	50.	24.68	35.03	23.97	397.6	0.331				
102.	21.85	35.20	5.23	24.43	354.7	75.	23.26	35.12	23.73	397.3	0.426				
125.	21.15	35.26	5.01	24.67	332.7	100.	21.94	35.19	24.40	319.2	0.596				
154.	20.23	35.16	4.78	24.84	317.3	150.	20.37	35.18	24.82	319.2	0.516				
178.	19.17	35.07	4.57	25.05	298.1	200.	17.99	34.88	25.20	284.4	0.749				
192.	18.47	34.96	4.66	25.14	289.5	250.	14.30	34.37	25.66	241.1	0.881				
226.	16.19	34.59	4.55	25.41	264.8	300.	10.72	34.08	26.11	195.8	0.911				
254.	13.98	34.34	4.66	25.70	237.0	400.	7.28	34.03	26.64	147.2	1.164				
279.	12.08	34.16	4.59	25.94	214.0	500.	6.45	34.23	26.91	122.3	1.300				
304.	10.48	34.07	4.24	26.16	192.6	600.	5.77	34.36	27.10	105.0	1.415				
405.	7.21	34.04	2.77	26.66	145.7	700.	5.26	34.44	27.22	94.0	1.516				
507.	6.44	34.25	0.99	26.92	121.0	800.	4.87	34.49	27.30	86.7	1.607				
608.	5.72	34.37	0.66	27.11	103.9	1000.	4.15	34.53	27.47	76.6	1.772				
810.	4.84	34.49	0.72	27.31	86.1	1200.	3.58	34.56	27.50	69.1	1.920				
1010.	4.12	34.53	0.90	27.42	76.2	1500.	2.93	34.59	27.60	59.9	2.116				
1210.	3.55	34.56	1.14	27.50	68.8										
1512.	2.80	34.59	1.54	27.60	59.6										

FROM BT DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL		9, STATION	33, 20-29N LAT, 147-59W LONG, OCT. 16, 1964, 0300 G.C.T.										
DRY BULB	24.4	WET BULB	22.2	WIND SPEED	22, DIR. 08	BAR. 17	WEATHER	03	VIS. 6	CLOUD	TYPE	B, COVER	T
DEPTH	TEMP.	SAL.	OX.Y.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
1.	24.50	35.03	4.94		23.54	436.3	0.	24.50	35.03	23.54	436.2	0.000	
10.	24.54	35.02	4.94		23.52	438.5	10.	24.54	35.02	23.52	438.5	0.044	
30.	24.48	35.03			23.54	436.9	20.	24.53	35.02	23.52	438.6	0.088	
50.	24.26	35.07			23.64	428.5	30.	24.48	35.03	23.54	436.9	0.132	
75.	23.90	35.09			23.76	417.8	50.	24.26	35.07	23.64	428.5	0.219	
94.	22.96	35.13	5.22		24.06	389.5	75.	23.90	35.09	23.76	417.8	0.326	
117.	21.74	35.09	5.23		24.38	360.2	100.	22.63	35.12	24.15	381.4	0.427	
142.	20.77	35.15	4.94		24.69	331.4	150.	20.58	35.17	24.76	325.2	0.605	
164.	20.09	35.15	4.86		24.87	314.8	200.	17.18	34.71	25.26	278.0	0.757	
178.	19.05	34.97	4.43		25.00	302.4	250.	12.77	34.23	25.86	221.3	0.883	
210.	16.26	34.59	4.34		25.39	265.9	300.	10.37	34.12	26.22	186.7	0.986	
234.	13.92	34.32	3.65		25.70	236.7	400.	7.66	34.07	26.62	149.5	1.155	
258.	12.29	34.20	3.72		25.93	214.4	500.	6.01	34.14	26.90	123.0	1.293	
281.	11.10	34.15	4.28		26.12	197.0	600.	5.55	34.29	27.07	107.2	1.409	
375.	8.31	34.08	3.44		26.53	158.3	700.	5.12	34.39	27.20	96.0	1.512	
469.	6.28	34.10	1.86		26.83	129.4	800.	4.74	34.45	27.29	88.1	1.605	
563.	5.73	34.25	0.91		27.02	112.3	1000.	4.02	34.51	27.42	76.5	1.771	
752.	4.92	34.42	0.76		27.25	91.7	1200.	3.42	34.55	27.51	67.7	1.917	
926.	4.30	34.49	1.00		27.37	80.6							
1046.	3.86	34.52	1.87		27.44	74.1							
1252.	3.29	34.56	1.28		27.53	66.0							

CROMWELL				9, STATION	34, 22- ON LAT, 147-59W LDNG, OCT. 16, 1964, 1300 G.C.T.								
DRY BULB	8.6	WET BULB	21.3	WIND SPEED	16, DIR. 10	BAR. 19	WEATHER	02	VIS.	CLOUD	TYPE	,	COVER
DEPTH	TEMP.	SAL.	OX.Y.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
0.	24.79	34.96	4.80		23.40	449.6	0.	24.79	34.96	23.40	449.6	0.000	
8.	24.80	34.96	4.88		23.39	450.2	10.	24.78	34.97	23.40	449.4	0.045	
42.	24.14	35.05	4.95		23.66	426.2	20.	24.64	34.99	23.46	444.0	0.090	
64.	23.60	35.04	5.07		23.81	412.6	30.	24.45	35.02	23.54	436.9	0.135	
84.	22.66	35.20	5.17		24.20	375.8	50.	23.98	35.04	23.70	422.8	0.221	
105.	21.82	35.23	5.06		24.46	351.8	75.	23.10	35.13	24.02	392.9	0.324	
127.	20.98	35.23	4.86		24.69	330.5	100.	22.01	35.23	24.41	356.7	0.418	
149.	20.40	35.19	4.69		24.82	319.3	150.	20.36	35.19	24.83	318.5	0.589	
161.	19.91	35.15	4.68		24.92	310.1	200.	18.00	34.86	25.18	285.9	0.741	
188.	18.69	34.96	4.59		25.09	294.7	250.	14.79	34.42	25.59	247.7	0.875	
212.	17.28	34.76	4.53		25.28	276.7	300.	11.88	34.15	25.97	211.3	0.991	
234.	15.98	34.59	4.46		25.46	260.4	400.	8.17	34.05	26.52	159.1	1.178	
254.	14.49	34.38	4.50		25.62	244.5	500.	6.36	34.09	26.81	131.5	1.325	
339.	10.24	34.10	3.87		26.23	187.1	600.	5.30	34.22	27.05	109.3	1.446	
426.	7.53	34.05	2.90		26.62	149.8	700.	5.01	34.37	27.19	96.1	1.550	
488.	6.53	34.08	2.08		26.78	134.5	800.	4.60	34.45	27.30	86.2	1.642	
605.	5.26	34.23	0.82		27.06	108.4	1000.	3.89	34.52	27.43	74.4	1.805	
726.	4.98	34.40	0.68		27.22	93.6	1200.	3.34	34.56	27.52	66.2	1.947	
830.	4.44	34.46	0.79		27.33	83.6							
1018.	3.85	34.52	1.15		27.44	73.8							
1200.**	3.34**	34.56*			27.52	66.2							

CROMWELL				9, STATION	35, 23-31N LAT, 148- 0W LONG, OCT. 16, 1964, 2200 G.C.T.								
DRY BULB	23.3	WET BULB	20.6	WIND SPEED	18, DIR. 09	BAR. 21	WEATHER	01	VIS. 8	CLOUD	TYPE	B, COVER	2
DEPTH	TEMP.	SAL.	OX.Y.	PO4-P	SIGMA-T	DELTA	OEPH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
1.	24.74	35.06	4.94		23.49	441.0	0.	24.74	35.06	23.48	441.7	0.044	
10.△	24.75	35.06	4.98		23.48	441.7	10.	24.75	35.06	23.49	441.3	0.089	
30.△	24.68	35.06			23.50	440.4	20.	24.72	35.06	23.50	440.4	0.133	
50.△	24.62	35.07			23.53	438.8	30.	24.68	35.06	23.53	438.8	0.222	
75.	24.00	35.11			23.75	419.2	50.	24.62	35.07	23.53	419.2	0.330	
100.	22.15	35.24	5.14		24.38	359.7	75.	24.00	35.11	23.75	419.2	0.428	
124.	21.36	35.26	5.04		24.61	338.2	100.	22.15	35.24	24.38	359.7	0.544	
150.	20.67	35.25	5.01		24.79	321.9	150.	20.67	35.25	24.79	321.9	0.600	
173.	19.80	35.16	4.86		24.96	307.1	200.	17.88	34.85	25.20	284.1	0.753	
188.	18.59	34.95	4.72		25.11	293.0	250.	14.96	34.49	25.61	246.2	0.886	
221.	16.79	34.71	4.61		25.36	269.4	300.	11.95	34.19	25.99	209.7	1.001	
247.	15.22	34.52	4.74		25.57	249.5	400.	8.63	34.05	26.45	166.1	1.191	
272.	13.14	34.29	4.80		25.83	224.5	500.	6.51	34.03	26.74	138.0	1.344	
297.	12.07	34.20	4.91		25.97	211.3	600.	5.21	34.12	26.98	115.8	1.473	
396.	8.74	34.05	4.34		26.44	167.5	700.	4.68	34.26	27.14	100.3	1.582	
496.	6.58	34.03	2.54		26.73	139.0	800.	4.49	34.39	27.27	89.3	1.678	
593.	5.26	34.11	1.23		26.96	117.1	1000.	4.01	34.50	27.41	76.8	1.846	
792.	4.51	34.38	0.77		27.26	90.0	1200.	3.52	34.56	27.50	68.5	1.993	
990.	4.04	34.50	1.08		27.41	77.3							
1188.	3.53	34.54	1.26		27.49	69.8							
1484.	2.84	34.58	1.67		27.59	60.7							

ΔROM BT DATA

**EXTRAPOLATED DATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL DRY BULB 23.9	9° STATION WET BULB 20.8	36° 25' ON LAT, WIND SPEED 15, DIR. 11	OCT. 17, 1964, 0700 G.C.T.	DEPTH	TEMP. SIGMA-T	DELTA	DEPTH	TEMP. SIGMA-T	SAL.	DELTA	DYN.OPTH.				
0.	24.01	35.39	5.07	23.95	396.4	0.	24.01	35.39	23.95	396.4	0.000				
9.	23.99	35.39	5.07	23.96	396.1	10.	23.99	35.39	23.96	396.1	0.040				
30.	23.90	35.38	5.07	23.98	395.2	20.	23.95	35.39	23.97	395.7	0.080				
50.	23.78	35.37	5.07	24.01	393.3	30.	23.90	35.38	23.98	395.2	0.120				
75.	21.58	35.25	5.41	24.54	362.9	50.	23.78	35.37	24.01	393.3	0.199				
99.	20.83	35.30	5.30	24.79	320.5	75.	21.58	35.25	24.54	342.9	0.292				
123.	20.29	35.29	5.10	24.92	308.3	100.	20.81	35.30	24.79	319.9	0.375				
149.	19.64	35.18	5.07	25.01	300.8	150.	19.61	35.17	25.02	300.4	0.532				
172.	18.75	35.03	4.90	25.13	290.5	200.	17.26	34.78	25.10	274.2	0.676				
186.	18.11	34.92	4.86	25.20	283.6	250.	14.25	34.39	25.69	238.4	0.R06				
219.	16.02	34.60	4.74	25.45	260.1	300.	11.76	34.15	26.00	209.0	0.918				
246.	14.47	34.42	4.80	25.66	241.0	400.	8.79	34.05	26.43	168.2	1.109				
271.	13.13	34.27	4.83	25.82	225.7	500.	6.63	34.03	26.72	140.1	1.264				
294.	12.00	34.17	4.93	25.96	212.1	600.	5.40	34.13	26.96	117.8	1.395				
391.	9.03	34.06	4.69	26.40	171.2	700.	4.76	34.24	27.12	102.5	1.506				
491.	6.78	34.02	2.80	26.70	142.4	800.	4.42	34.34	27.24	91.7	1.604				
587.	5.51	34.11	1.23	26.93	120.2	1000.	3.90	34.46	27.39	78.6	1.776				
783.	4.48	34.33	0.53	27.22	93.2	1200.	3.47	34.54	27.49	69.4	1.926				
977.	3.95	34.45	0.92	27.38	79.8										
1171.	3.58	34.53	1.22	27.48	71.0										
1464.	2.91	34.57	1.54	27.57	62.1										
CROMWELL DRY BULB 22.6	9° STATION WET BULB 20.2	37° 26-32N LAT, 148° DW LONG, OCT. 17, 1964, 1600 G.C.T.	WIND SPEED 08, DIR. 15	DEPTH	TEMP. SIGMA-T	DELTA	DEPTH	TEMP. SIGMA-T	SAL.	DELTA	DYN.OPTH.				
DEPTH	TEMP. SIGMA-T	SAL.	OXY.	PO4-P	DELTA	DEPTH	TEMP. SIGMA-T	SAL.	DELTA	DELTA	DYN.OPTH.				
0.	24.05	35.44	5.15	23.98	393.9	0.	24.05	35.44	23.98	393.9	0.000				
11.	24.09	35.44	5.20	23.97	395.4	10.	24.09	35.44	23.97	395.4	0.040				
30.	24.06	35.44	5.21	23.98	395.4	20.	24.08	35.44	23.97	395.6	0.080				
50.	24.05	35.44	5.21	23.98	395.9	30.	24.06	35.44	23.98	395.4	0.119				
75.	21.60	35.30	5.55	24.58	339.8	50.	24.05	35.44	23.98	395.9	0.199				
102.	20.59	35.19	5.55	24.77	322.4	75.	21.60	35.30	24.58	339.8	0.292				
127.	19.53	35.08	5.44	24.96	304.5	100.	20.64	35.20	24.76	323.0	0.375				
153.	17.78	34.82	5.21	25.21	282.0	150.	17.98	34.85	25.18	284.5	0.528				
178.	16.75	34.70	4.98	25.36	267.9	200.	15.20	34.50	25.56	248.9	0.663				
193.	15.63	34.55	5.05	25.50	254.5	250.	13.04	34.30	25.86	211.6	0.781				
228.	13.85	34.38	4.86	25.76	230.8	300.	11.41	34.19	26.09	200.2	0.888				
255.	12.88	34.28	5.03	25.88	219.7	400.	8.96	34.06	26.41	170.0	1.074				
280.	12.02	34.22	5.10	26.00	208.5	500.	7.00	34.01	26.66	146.4	1.234				
305.	11.26	34.18	6.11	26.11	198.2	600.	5.49	34.07	26.91	122.8	1.370				
405.	8.86	34.06	4.53	26.43	168.8	700.	4.69	34.18	27.08	106.1	1.486				
507.	6.88	34.01	3.32	26.68	144.8	800.	4.30	34.29	27.21	94.2	1.587				
607.	5.40	34.08	1.56	26.92	121.3	1000.	3.73	34.43	27.39	78.6	1.762				
809.	4.28	34.30	0.57	27.22	93.3	1200.	3.35	34.51	27.48	70.0	1.912				
1012.	3.71	34.44	0.74	27.39	78.0										
1203.	3.34	34.51	1.17	27.48	69.9										
1482.	2.79	34.57	1.65	27.58	60.8										
CROMWELL DRY BULB 24.1	9° STATION WET BULB 21.9	38° 25- ON LAT, 151° OW LONG, OCT. 18, 1964, 1000 G.C.T.	WIND SPEED 14, DIR. 20	DEPTH	TEMP. SIGMA-T	DELTA	DEPTH	TEMP. SIGMA-T	SAL.	DELTA	DYN.OPTH.				
DEPTH	TEMP. SIGMA-T	SAL.	OXY.	PO4-P	DELTA	DEPTH	TEMP. SIGMA-T	SAL.	DELTA	DELTA	DYN.OPTH.				
0.	24.24	35.35	5.15	23.86	405.8	0.	24.24	35.35	23.86	405.8	0.000				
10.	24.26	35.36	5.15	23.86	406.0	10.	24.26	35.36	23.86	406.0	0.041				
30.	24.26	35.36	5.15	23.86	406.8	20.	24.27	35.36	23.86	406.5	0.082				
52.	24.16	35.35	5.15	23.88	405.5	30.	24.26	35.36	23.86	406.8	0.123				
78.	22.03	35.29	5.21	24.45	352.1	50.	24.20	35.35	23.87	406.6	0.205				
102.	20.92	35.27	5.21	24.74	325.2	75.	22.31	35.30	24.38	358.9	0.301				
127.	19.99	35.17	5.21	24.91	309.5	100.	20.99	35.27	24.72	326.8	0.387				
153.	19.35	35.11	5.21	25.03	298.8	150.	19.42	35.12	25.02	299.9	0.545				
180.	18.34	34.96	5.21	25.18	286.0	200.	17.35	34.80	25.30	274.9	0.690				
193.	17.79	34.87	5.21	25.24	279.9	250.	13.80	34.32	25.73	234.4	0.819				
226.	15.46	34.53	5.21	25.53	253.3	300.	11.14	34.13	26.09	199.8	0.928				
253.	13.59	34.30	5.21	25.75	232.1	400.	8.60	34.06	26.47	164.5	1.112				
278.	11.91	34.14	5.21	25.96	212.3	500.	6.46	34.00	26.73	139.6	1.265				
303.	11.06	34.13	5.21	26.11	198.3	600.	5.39	34.13	26.97	117.0	1.395				
404.	8.52	34.06	5.21	26.48	163.5	700.	4.79	34.25	27.13	101.8	1.506				
505.	6.37	34.00	5.21	26.74	138.5	800.	4.42	34.35	27.25	91.4	1.603				
603.	5.37	34.14	5.21	26.97	116.4	1000.	3.90	34.48	27.40	77.3	1.774				
803.	4.41	34.35	5.21	27.25	91.1	1200.	3.46	34.52	27.48	70.6	1.924				
1002.	3.90	34.48	5.21	27.40	77.2	1500.	2.82	34.58	27.59	60.5	2.123				
1201.	3.46	34.52	5.21	27.48	70.6	2000.	2.12	34.63	27.69	51.0	2.406				
1498.	2.82	34.58	5.21	27.59	60.5	2500.	1.77	34.66	27.74	46.3	2.454				
1994.	2.13	34.63	2.09	27.69	51.1	3000.	1.56	34.68	27.77	43.6	2.883				
2494.	1.77	34.66	2.56	27.74	46.3										
2991.	1.58	34.68	3.00	27.77	43.9										
3988.	1.50	34.70	3.63	27.79	44.2										

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL DRY BULB	9. STATION 21.1	39. 25° ON LAT.	154° IW LONG.	OCT-19, 1964, 0200 G.C.T.	WIND SPEED 28, DIR. 35	BAR. 15	WEATHER 02	VIS. 4	CLOUD 0	TYPE 6	COVER R		
DEPTH	TEMP.	SAL.	UXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN. DPTH.	
0.	24.53	35.43	5.36	23.83	408.3	0.	24.53	35.43	23.83	408.3	0.000		
10.	24.52	35.44	5.37	23.84	407.7	10.	24.52	35.44	23.84	407.7	0.041		
30.	24.48	35.44		23.85	407.3	20.	24.52	35.44	23.84	407.8	0.082		
50.	24.20	35.43		23.93	400.8	30.	24.48	35.44	23.85	407.3	0.123		
77.	21.43	35.28	5.56	24.61	336.8	50.	24.20	35.43	23.93	400.8	0.205		
102.	20.56	35.25	5.39	24.82	317.3	75.	21.65	35.29	24.56	341.7	0.298		
127.	19.60	35.13	5.20	24.98	302.6	100.	20.60	35.25	24.81	318.1	0.381		
153.	18.05	34.87	4.89	25.18	284.7	150.	18.23	34.90	25.16	286.8	0.534		
178.	16.96	34.73	4.89	25.34	270.4	200.	15.40	34.55	25.56	249.7	0.669		
193.	15.89	34.60	4.87	25.48	256.5	250.	12.43	34.31	25.99	209.0	0.784		
227.	13.65	34.40	5.21	25.82	225.3	300.	11.50	34.24	26.11	198.0	0.887		
253.	12.31	34.30	5.23	26.01	207.4	400.	9.09	34.10	26.42	169.7	1.073		
280.	11.86	34.27	5.28	26.07	201.9	500.	6.77	34.01	26.69	143.1	1.231		
305.	11.40	34.23	5.31	26.12	197.0	600.	5.25	34.07	26.93	119.9	1.363		
405.	8.96	34.09	4.87	26.43	168.2	700.	4.55	34.19	27.10	103.8	1.476		
507.	6.63	34.01	4.97	26.71	141.3	800.	4.25	34.31	27.23	92.2	1.575		
608.	5.16	34.08	1.62	26.95	118.3	1000.	3.76	34.46	27.41	76.7	1.746		
809.	4.24	34.32	0.69	27.24	91.4	1200.	3.30	34.54	27.51	67.4	1.892		
1011.	3.74	34.47	1.06	27.41	76.1	1500.	2.72	34.59	27.61	58.5	2.084		
1211.	3.28	34.54	1.48	27.51	67.0								
1521.	2.68	34.59	1.86	27.61	58.2								

CROMWELL	9, STATION	40° 25' ON LAT,	157° 0W LONG,	OCT. 19, 1964, 1800 G.C.T.								
DRY BULB	23.6	WET BULB	17.7	WIND SPEED	15, DIR. 03	BAR. 21	WEATHER 01	VIS. 8	CLOUD TYPE 8	COVER 4		
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH-
0.	24.92	35.29			23.61	429.6	0.	24.92	35.29	23.61	429.6	0.000
9. ^a	24.92	35.28			23.60	430.7	10.	24.92	35.28	23.60	430.8	0.043
50. ^a	24.94	35.28			23.59	432.9	20.	24.93	35.28	23.59	431.6	0.087
76.	24.93	35.28			23.59	433.6	30.	24.93	35.28	23.59	432.2	0.130
100.	22.76	35.20			24.17	379.2	50.	24.94	35.28	23.59	432.9	0.217
124.	21.95	35.23			24.43	356.0	75.	24.95	35.28	23.59	434.2	0.327
151.	21.32	35.27			24.63	337.4	100.	22.76	35.20	24.17	379.2	0.429
174.	20.63	35.19			24.76	326.1	150.	21.34	35.27	24.62	338.0	0.610
188.	19.82	35.04			24.86	316.8	200.	19.01	34.94	24.99	304.0	0.772
222.	17.50	34.80			25.26	279.2	250.	15.86	34.62	25.51	256.0	0.913
249.	15.93	34.63			25.50	256.9	300.	13.24	34.33	25.85	224.0	1.034
272.	14.47	34.46			25.69	238.8	400.	9.87	34.12	26.31	180.8	1.238
298.	13.32	34.34			25.84	225.0	500.	7.51	34.03	26.60	152.3	1.406
399.	9.90	34.12			26.30	181.1	600.	5.65	34.05	26.87	126.4	1.547
497.	7.58	34.03			26.59	153.2	700.	4.86	34.15	27.04	110.6	1.667
597.	5.68	34.05			26.86	126.9	800.	4.54	34.27	27.17	98.9	1.772
794.	4.57	34.26			27.16	99.6	1000.	3.86	34.46	27.40	77.9	1.951
994.	3.88	34.46			27.39	78.3	1200.	3.38	34.53	27.50	68.7	2.100
1189.	3.40	34.53			27.49	69.0	1500.	2.82	34.57	27.58	61.1	2.297
1489.	2.84	34.57			27.58	61.4	2000.	2.11	34.63	27.69	50.8	2.582
1996.	2.11	34.63	3.12		27.69	50.8	2500.	1.74	34.63	27.72	48.0	2.833
2494.	1.76	34.63	2.79		27.72	48.1	3000.	1.55	34.65	27.75	45.5	3.072
2992.	1.58	34.66	3.18		27.75	45.4						
3809.	1.50	34.70	3.66		27.79	43.7						

TEMPERATURE ERROR TERM AT 700. METERS IS 0.13

CROMWELL	9, STATION	41, 23-29N LAT, 157- OW LONG, OCT.	20, 1964, 0500 G.C.T.									
DRY BULB 23.3	WET BULB 18.9	WIND SPEED 16, DIR. 04	BAR. 20	WEATHER 01	VIS. 8	CLOUD TYPE 8, COVER 1						
DEPTH	TEMP.	SAL.	UXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN-DEPTH.
1.	25.17	35.09			23.38	451.3	0.	25.17	35.09	23.38	451.3	0.000
10.	25.17	35.09			23.38	451.7	10.	25.17	35.09	23.38	451.7	0.045
30. ^A	25.10	35.09			23.40	450.4	20.	25.15	35.09	23.39	451.4	0.091
50. ^A	24.94	35.09			23.45	446.6	30.	25.10	35.09	23.40	450.4	0.136
73.	23.66	35.13			23.87	407.5	50.	24.94	35.09	23.45	446.6	0.227
97.	22.65	35.24			24.24	373.2	75.	23.55	35.14	23.90	404.5	0.334
120.	21.58	35.24			24.54	345.3	100.	22.50	35.24	24.28	369.0	0.431
143.	20.96	35.25			24.71	329.1	150.	20.76	35.22	24.75	326.2	0.607
168.	19.96	35.10			24.87	315.3	200.	17.83	34.85	25.22	282.4	0.760
182.	18.89	34.98			25.05	297.9	250.	15.15	34.53	25.59	247.5	0.894
214.	17.11	34.76			25.32	272.8	300.	12.82	34.31	25.91	217.7	1.011
238.	15.83	34.60			25.50	256.6	400.	9.40	34.07	26.35	176.2	1.210
262.	14.49	34.46			25.69	238.9	500.	7.13	34.04	26.67	146.0	1.372
286.	13.42	34.36			25.83	225.2	600.	5.46	34.10	26.93	120.7	1.507
379.	9.96	34.10			26.28	183.2	700.	4.70	34.21	27.10	104.0	1.620
470.	7.81	34.04			26.57	155.4	800.	4.34	34.33	27.24	91.9	1.720
562.	5.90	34.06			26.84	128.6	1000.	3.83	34.48	27.41	76.5	1.890
745.	4.56	34.27			27.17	98.3	1200.	3.33	34.56	27.52	66.4	2.035
930.	3.99	34.44			27.36	80.6						
1116.	3.58	34.52			27.47	71.3						
1398.	2.86	34.57			27.58	61.1						

ΔFROM ST OATA

Table 2.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA			
CROMWELL DRY BULB 23.4	9, STATION 42, 22° ON LAT, 157° LW LONG, OCT. 20, 1964, 1500 G.C.T.	WET BULB 20.4	WIND SPEED 12, DIR. 04	BAR. 18	WEATHER OI	VIS. 9	CLOUD TYPE	COVER	DYNS. DPTH.	DEPTH	TEMP.
0.	25.27	35.05		23.32	457.1	0.	25.27	35.05	23.32	457.1	0.000
9. ^Δ	25.33	35.05		23.30	459.2	10.	25.33	35.05	23.30	459.3	0.046
50. ^Δ	25.33	35.05		23.30	460.8	20.	25.35	35.05	23.29	460.3	0.092
75. ^Δ	25.33	35.05		23.30	461.8	30.	25.36	35.05	23.29	460.8	0.139
95. ^Δ	23.62	35.07		23.83	412.2	50.	25.33	35.05	23.30	460.8	0.232
117. ^Δ	22.58	35.12		24.17	380.7	75.	25.33	35.05	23.30	461.8	0.348
140. ^Δ	21.40	35.17		24.53	346.3	100.	23.35	35.08	23.91	404.0	0.457
163. ^Δ	20.57	35.13		24.73	328.4	150.	21.04	35.16	24.62	337.9	0.644
178. ^Δ	19.80	35.07		24.89	313.8	200.	18.81	34.96	25.05	298.4	0.804
210. ^Δ	18.31	34.89		25.13	291.4	250.	15.49	34.55	25.54	253.1	0.943
234. ^Δ	16.63	34.69		25.38	267.6	300.	12.02	34.20	25.99	210.1	1.060
258. ^Δ	14.89	34.48		25.61	245.7	400.	9.29	34.14	26.42	169.6	1.252
281. ^Δ	12.99	34.28		25.86	222.5	500.	7.34	34.17	26.74	139.7	1.408
375. ^Δ	9.89	34.15		26.33	178.3	600.	5.96	34.24	26.98	116.3	1.537
449. ^Δ	7.91	34.15		26.64	148.7	700.	5.21	34.33	27.14	101.1	1.647
563. ^Δ	6.35	34.21		26.91	123.5	800.	4.81	34.41	27.25	91.4	1.744
752. ^Δ	4.99	34.38		27.21	95.5	1000.	4.24	34.49	27.38	80.3	1.918
942. ^Δ	4.42	34.48		27.35	83.0	1200.	3.66	34.54	27.48	71.6	2.072
1130. ^Δ	3.84	34.51		27.43	75.3						
1418. ^Δ	3.07	34.56		27.55	64.5						

TEMPERATURE ERROR TERM AT 300. METERS IS 0.17

^ΔFROM 6T DATA

Table 3.--Original and derived oceanographic data for Townsend Cromwell cruise 10

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL DRY BULB 25.2	10, STATION WET BULB 22.1	1, 20-36N LAT, WIND SPEED 24, DIR. 05	157-15W LONG, NOV. 5, 1964, 0900 G.C.T.	5, 1964, 0900 G.C.T.	BAR. 20	WEATHER 02	VIS. R	CLDDUD TYPE	COVER 2	DYN.DPTH.			
DEPTH	TEMP.	SAL.	OXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
0.	25.66	34.92		23.10	477.9	0.	25.66	34.92	23.10	477.9	0.000		
10.	25.67	34.92		23.10	478.6	10.	25.67	34.92	23.10	478.6	0.048		
51.	25.41	35.04		23.27	463.9	20.	25.04	34.95	23.13	476.2	0.096		
77.	25.12	35.05		23.36	455.8	30.	25.59	34.97	23.16	473.1	0.144		
103.	23.33	35.10		23.93	402.2	50.	25.42	35.04	23.26	464.4	0.239		
129.	21.64	35.11		24.42	356.5	75.	25.17	35.05	23.35	457.2	0.355		
153.	20.42	35.07		24.72	328.6	100.	23.57	35.09	23.86	409.3	0.464		
178.	19.39	34.98		24.92	310.0	150.	20.55	35.08	24.69	331.2	0.650		
194.	19.04	34.94		24.98	304.9	200.	18.64	34.90	25.05	298.2	0.809		
228.	16.42	34.68		25.42	263.5	250.	15.21	34.56	25.61	246.1	0.946		
253.	15.06	34.55		25.63	244.1	300.	12.00	34.27	26.04	204.9	1.060		
280.	13.63	34.41		25.83	225.6	400.	8.26	34.13	26.57	154.3	1.241		
306.	11.50	34.23		26.10	198.9	500.	6.28	34.21	26.91	121.7	1.380		
406.	8.19	34.14		26.59	152.6	600.	5.58	34.33	27.09	105.3	1.495		
508.	6.17	34.22		26.94	119.6	700.	5.08	34.41	27.22	94.0	1.596		
604.	5.57	34.33		27.10	104.9	800.	4.66	34.47	27.31	85.5	1.687		
810.	4.62	34.47		27.32	84.9	1000.	3.99	34.53	27.43	74.8	1.849		
1018.	3.94	34.53		27.44	74.1	1200.	3.44	34.57	27.52	66.8	1.992		
1222.	3.38	34.57		27.53	66.1	1500.	2.79	34.60	27.61	58.8	2.183		
1523.	2.75	34.60		27.61	58.4								

CROMWELL DRY BULB 25.8	10, STATION WET BULB 21.1	2, 19- ON LAT, 156-56W LONG, NOV. WIND SPEED 03, DIR. 00	5, 1964, 2000 G.C.T.	BAR. 18	WEATHER 03	VIS. 6	CLOUD	TYPE 6,	COVER 6			
DEPTH	TEMP.	SAL.	OXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.94	34.92		23.01	486.2	0.	25.94	34.92	23.01	486.2	0.000	
10.	25.97	34.93		23.01	486.7	10.	25.97	34.93	23.01	486.7	0.049	
100.	25.99	34.92		23.00	491.7	20.	25.99	34.93	23.01	487.6	0.098	
126.	25.96	34.93		23.01	491.1	30.	26.00	34.93	23.00	488.3	0.147	
152.	25.83	34.94		23.06	487.6	50.	26.02	34.93	23.00	489.6	0.246	
177.	23.61	35.07		23.83	415.0	75.	26.02	34.93	23.00	490.9	0.369	
191.	22.32	35.11		24.23	377.1	100.	25.99	34.92	23.00	491.7	0.493	
226.	19.05	34.99		25.02	302.6	150.	25.88	34.94	23.04	489.2	0.740	
252.	16.71	34.69		25.36	270.0	200.	21.48	35.11	24.47	354.9	0.953	
279.	14.47	34.45		25.68	239.7	250.	16.89	34.72	25.34	272.1	1.111	
302.	12.27	34.29		26.01	208.6	300.	12.46	34.30	25.98	211.1	1.233	
405.	8.24	34.13		26.58	154.1	400.	8.30	34.12	26.56	155.3	1.418	
506.	6.40	34.22		26.91	122.7	500.	6.46	34.21	26.89	124.1	1.559	
605.	5.67	34.35		27.10	104.7	600.	5.69	34.34	27.09	105.4	1.675	
810.	4.77	34.46		27.30	87.5	700.	5.18	34.42	27.21	94.6	1.776	
1010.	4.21	34.52		27.40	78.1	800.	4.80	34.46	27.29	87.9	1.868	
1210.	3.62	34.56		27.50	69.6	1000.	4.23	34.52	27.40	78.4	2.036	
1511.	2.85	34.60		27.60	59.5	1200.	3.65	34.56	27.49	70.0	2.187	
						1500.	2.88	34.60	27.60	59.8	2.384	

CROMWELL DRY BULB 25.7	10, STATION WET BULB 22.2	3, 17-29N LAT, 157- 2W LONG, NOV. WIND SPEED 24, DIR. 08	6, 1964, 0600 G.C.T.	BAR. 16	WEATHER 02	VIS. 7	CLDDUD	TYPE ,	COVER			
DEPTH	TEMP.	SAL.	OXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.99	33.95		22.27	557.5	0.	25.99	33.95	22.27	557.5	0.000	
12.	25.97	33.95		22.27	557.4	10.	25.97	33.95	22.27	557.4	0.056	
30. [△]	25.97	33.95		22.27	558.1	20.	25.97	33.95	22.27	557.6	0.112	
50.	25.97	33.95		22.27	558.9	30.	25.97	33.95	22.27	558.1	0.168	
73.	23.81	34.83		23.59	433.9	50.	25.97	33.95	22.27	558.9	0.281	
99.	22.39	35.01		24.14	382.8	75.	23.68	34.86	23.65	428.1	0.405	
123.	21.35	35.12		24.51	348.0	100.	22.35	35.02	24.15	381.1	0.507	
149.	19.98	35.07		24.84	317.3	150.	19.93	35.07	24.85	316.3	0.683	
173.	18.34	34.88		25.11	291.6	200.	15.99	34.53	25.41	263.7	0.829	
187.	16.86	34.66		25.31	273.5	250.	11.04	34.20	26.16	191.8	0.944	
220.	14.60	34.40		25.62	264.4	300.	9.69	34.28	26.47	163.5	1.034	
247.	11.20	34.20		26.14	194.3	400.	7.66	34.29	26.79	133.7	1.183	
272.	10.39	34.22		26.30	179.4	500.	6.18	34.29	26.99	114.5	1.309	
296.	9.78	34.28		26.45	165.3	600.	5.91	34.42	27.13	102.7	1.418	
393.	7.80	34.29		26.77	135.5	700.	5.40	34.47	27.23	93.5	1.518	
492.	6.22	34.28		26.98	115.6	800.	4.87	34.49	27.31	86.4	1.609	
575.	6.03	34.40		27.10	105.3	1000.	4.12	34.53	27.42	76.3	1.773	
766.	5.02	34.48		27.28	88.6	1200.	3.52	34.56	27.50	68.6	1.920	
959.	4.25	34.52		27.40	78.1							
1152.	3.69	34.55		27.48	70.7							
1440.	2.93	34.58		27.58	61.5							

TEMPERATURE ERROR TERM AT 200. METERS IS 0.15

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL	10, STATION	4, 16-34 LAT, 156-59W LONG, NOV.	6, 1964, 1600 G.C.T.	DRY BULB 24.2	WET BULB 22.4	WIND SPEED 16, DIR. 06	BAR. 14	WEATHER 02	VIS. 7	CLOUD TYPE	COVER	DYN.DPTH.	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
0.	25.91	34.00			22.33	551.5	0.	25.91	34.00	22.33	551.5	0.000	
10. ^Δ	25.93	34.00			22.32	552.5	10.	25.93	34.00	22.32	552.5	0.056	
20. ^Δ	25.93	34.00			22.32	552.9	20.	25.93	34.00	22.32	552.9	0.111	
30. ^Δ	25.93	34.00			22.32	553.3	30.	25.93	34.00	22.32	553.3	0.167	
40. ^Δ	25.94	34.00			22.31	479.0	50.	25.94	34.80	23.15	475.3	0.271	
76.	22.70	34.90			21.98	396.3	75.	22.71	34.97	24.02	393.4	0.380	
17.	21.18	35.16			24.59	339.7	100.	20.99	35.16	24.63	335.2	0.412	
121.	19.67	35.03			24.89	311.4	150.	17.44	34.72	25.21	281.2	0.627	
146.	17.84	34.77			26.15	286.8	200.	12.85	34.30	25.90	216.4	0.752	
170.	15.36	34.49			26.52	252.4	250.	10.28	34.30	26.38	170.8	0.450	
195.	13.91	34.34			26.72	231.7	300.	9.15	34.30	26.56	153.9	0.942	
217.	11.91	34.31			26.09	199.3	400.	7.95	34.46	26.88	125.5	1.073	
241.	10.64	34.33			26.34	174.9	500.	6.66	34.48	27.08	106.8	1.190	
269.	9.41	34.24			26.47	162.8	600.	6.04	34.49	27.17	99.2	1.294	
292.	9.25	34.20			26.53	156.6	700.	5.25	34.49	27.27	89.8	1.390	
310.	7.96	34.45			26.87	126.0	800.	4.76	34.51	27.33	83.9	1.478	
489.	6.42	34.44			27.04	110.3	1000.	4.02	34.55	27.45	73.4	1.637	
493.	6.70	34.48			27.06	108.4							
586.	6.20	34.47			27.15	101.1							
623.	5.78	34.44			27.20	96.0							
757.	5.00	34.50			27.30	86.8							
967.	4.08	34.54			27.43	74.6							
1000.**	4.02 **	34.55 **			27.45	73.4							

CROMWELL	10, STATION	5, 14-29N LAT, 156-59W LONG, NOV.	7, 1964, 0100 G.C.T.	DRY BULB 26.4	WET BULB 22.8	WIND SPEED 21, DIR. 07	BAR. 12	WEATHER 03	VIS. 9	CLOUD TYPE	B, COVER	5
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.84	34.08			22.41	543.7	0.	25.84	34.08	22.41	543.7	0.000
8. ^Δ	25.83	34.08			22.41	543.7	10.	25.83	34.09	22.42	543.3	0.055
30. ^Δ	25.80	34.18			22.50	536.5	20.	25.82	34.13	22.45	540.4	0.109
50. ^Δ	25.74	34.25			22.57	530.5	30.	25.80	34.18	22.50	536.5	0.164
70. ^Δ	23.28	34.83			23.74	419.0	50.	25.74	34.25	22.57	530.5	0.271
93.	22.26	35.04			24.20	376.9	75.	23.01	34.91	23.88	406.1	0.389
116.	20.40	34.96			24.64	334.7	100.	21.77	35.04	24.33	364.3	0.486
139.	17.89	34.78			25.15	287.0	150.	17.19	34.71	25.26	276.4	0.667
164.	16.44	34.64			25.39	264.8	200.	13.63	34.55	25.94	213.2	0.771
196.	14.04	34.61			25.90	216.9	250.	10.53	34.22	26.27	181.6	0.870
211.	12.51	34.37			26.02	204.9	300.	9.44	34.36	26.57	153.7	0.955
277.	9.99	34.30			26.43	166.9	400.	7.90	34.48	26.90	123.4	1.095
341.	8.70	34.48			26.78	134.1	500.	6.81	34.47	27.05	109.9	1.213
407.	7.82	34.47			26.91	122.7	600.	5.97	34.48	27.17	98.8	1.318
539.	6.45	34.47			27.10	105.3	700.	5.34	34.50	27.26	90.1	1.413
671.	5.51	34.50			27.24	92.3	800.	4.81	34.52	27.34	83.5	1.501
805.	4.79	34.52			27.34	83.2	1000.	4.08	34.55	27.44	74.3	1.661
1013.	4.05	34.55			27.45	73.9						

TEMPERATURE ERROR TERM AT 250. METERS IS 0.23
 SALINITY ERROR TERM AT 250. METERS IS 0.05

CROMWELL	10, STATION	6, 13- ON LAT, 157- OW LONG, NOV.	7, 1964, 0900 G.C.T.	DRY BULB 26.0	WET BULB 23.1	WIND SPEED 26, DIR. 06	BAR. 13	WEATHER 02	VIS.	CLOUD TYPE	COVER	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	26.67	33.92			22.03	580.0	0.	26.67	33.92	22.03	580.0	0.000
10. ^Δ	26.63	33.92			22.04	579.2	10.	26.63	33.91	22.04	580.5	0.058
30. ^Δ	26.62	33.92			22.05	579.7	20.	26.63	33.91	22.05	579.7	0.117
50. ^Δ	26.40	34.10			22.25	560.9	30.	26.62	33.92	22.25	560.9	0.175
71.	22.86	34.86			23.89	405.3	50.	26.40	34.10	22.25	560.9	0.290
94.	21.18	35.07			24.52	346.1	75.	22.49	34.93	24.05	390.2	0.410
118.	19.35	34.97			24.93	307.7	100.	20.82	35.08	24.62	336.2	0.501
140.	15.97	34.53			25.41	261.7	150.	14.50	34.39	25.63	241.1	0.667
164.	12.76	34.26			25.89	216.5	200.	10.59	34.26	26.29	178.7	0.753
178.	11.68	34.22			26.06	199.8	250.	9.35	34.39	26.61	149.0	0.835
210.	10.27	34.29			26.37	170.9	300.	9.09	34.51	26.74	137.0	0.907
233.	9.68	34.35			26.52	157.2	400.	8.29	34.57	26.91	122.4	1.038
257.	9.25	34.41			26.64	146.3	500.	7.30	34.53	27.03	112.0	1.157
282.	9.18	34.48			26.70	140.5	600.	6.39	34.52	27.14	101.9	1.265
375.	8.52	34.57			26.88	125.3	700.	5.61	34.52	27.24	92.9	1.363
470.	7.59	34.54			26.99	115.2	800.	5.01	34.53	27.32	85.3	1.453
563.	6.71	34.52			27.10	105.6	1000.	4.17	34.57	27.45	74.0	1.614
752.	5.27	34.52			27.28	88.7	1200.	3.49	34.59	27.54	65.5	1.756
939.	4.41	34.56			27.41	76.9						
1128.	3.72	34.58			27.50	68.7						
1415.	2.94	34.61			27.60	59.2						

FROM BT DATA

**EXTRAPOLATED DATA

Table 3--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL	10, STATION	7, 11-30N LAT, 157°-OW LONG, NOV.	7, 1964, 1800 G.C.T.	8, 1964, 1500 G.C.T.	BAR. 12	WEATHER 14	VIS. 7	CLOUD	TYPE 1, COVER	7	DELT	DYN.DPTH.			
DRY BULB	25.6	WET BULB 23.8	WIND SPEED 23, OIR. 06	800	10	WEATHER 14	VIS. 7	CLOUD	TYPE 1, COVER	7	DELT	DYN.DPTH.			
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.			
0.	26.43	33.69			21.93	589.4	0.	26.43	33.69	21.93	589.4	0.000			
11.	26.44	33.69			21.93	590.1	10.	26.44	33.69	21.93	590.1	0.059			
20.	26.43	33.69			21.93	590.1	20.	26.43	33.69	21.93	590.1	0.119			
30.	26.43	33.69			21.93	590.5	30.	26.43	33.69	21.93	590.5	0.178			
51.	20.53	34.56			24.31	364.6	50.	20.88	34.52	24.18	376.8	0.276			
75.	15.88	34.46			25.38	262.9	75.	15.88	34.46	25.38	262.9	0.356			
101.	12.95	34.33			25.90	213.4	100.	13.03	34.33	25.89	214.7	0.416			
126.	11.49	34.45			26.28	178.3	150.	11.28	34.61	26.44	163.4	0.512			
152.	11.28	34.62			26.45	162.7	200.	10.61	34.67	26.61	148.5	0.590			
176.	10.91	34.67			26.55	153.1	250.	10.33	34.70	26.68	142.6	0.664			
190.	10.70	34.66			26.58	150.5	300.	9.36	34.63	26.79	132.7	0.733			
225.	10.46	34.70			26.66	144.2	400.	8.11	34.57	26.94	119.6	0.860			
250.	10.33	34.70			26.68	142.6	500.	7.04	34.55	27.08	107.1	0.975			
276.	9.92	34.67			26.73	138.5	600.	6.29	34.53	27.16	99.6	1.079			
300.	9.36	34.63			26.79	132.7	700.	5.65	34.54	27.25	92.0	1.176			
400.	8.11	34.57			26.94	119.6	800.	5.10	34.55	27.33	84.9	1.265			
499.	7.05	34.55			27.08	107.2	1000.	4.24	34.57	27.44	74.6	1.427			
599.	6.30	34.53			27.16	99.7	1200.	3.59	34.59	27.52	66.9	1.570			
797.	5.12	34.55			27.33	85.1									
996.	4.25	34.57			27.44	74.7									
1194.	3.65	34.59			27.52	67.6									
1493.	2.84	34.62			27.62	57.8									

CROMWELL	10, STATION	7A, 10-7N LAT, 153-56W LONG, NOV.	8, 1964, 1500 G.C.T.	BAR. 10	WEATHER 02	VIS.	CLOUD	TYPE , COVER				
DRY BULB	24.2	WET BULB 22.9	WIND SPEED 16, OIR. 36	800	10	WEATHER 02	VIS.	CLOUD	TYPE , COVER			
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	27.04	34.01	4.59	0.29	21.98	584.8	0.	27.04	34.01	21.98	584.8	0.000
10.	27.06	34.01	4.58	0.31	21.98	585.8	10.	27.06	34.01	21.98	585.8	0.059
20.	25.66	34.92			23.10	478.7	20.	25.66	34.92	23.10	478.7	0.113
30.	25.66	34.92			23.10	479.1	30.	25.66	34.92	23.10	479.1	0.161
50.	22.59	34.85	4.76	0.33	23.96	397.9	50.	22.59	34.85	23.96	397.9	0.249
75.	17.14	34.61	3.88	0.73	25.20	280.0	75.	17.14	34.61	25.20	280.0	0.335
101.	12.90	34.44	1.91	1.58	26.00	204.4	100.	13.02	34.44	25.98	206.5	0.396
126.	11.98	34.68	0.30	1.91	26.36	170.2	150.	11.38	34.70	26.49	158.3	0.488
152.	11.34	34.70	0.48	2.13	26.50	157.9	200.	10.73	34.72	26.63	146.8	0.565
176.	11.01	34.72		2.53	26.57	151.1	250.	10.15	34.71	26.72	138.6	0.637
191.	10.91	34.72	0.46	2.55	26.59	149.7	300.	9.81	34.82	26.86	126.5	0.703
200.	10.73	34.72	0.44	2.16	26.63	146.8	400.	9.02	34.76	26.94	119.9	0.828
225.	10.37	34.72	0.60	2.73	26.69	141.2	500.	8.06	34.61	26.98	117.3	0.948
252.	10.13	34.71	0.47	2.13	26.72	138.5	600.	7.12	34.57	27.08	108.3	1.061
272.	9.93	34.70	0.61	2.09	26.75	136.3	700.	6.24	34.55	27.19	98.7	1.166
273.	9.93	34.71	0.44	2.34	26.76	135.6	800.	5.58	34.55	27.27	91.4	1.262
420.	8.79	34.66	0.55		26.91	123.8	1000.	4.62	34.56	27.39	80.4	1.436
564.	7.46	34.58	0.38	3.32	27.04	111.9	1200.	3.92	34.58	27.48	71.9	1.590
710.	6.16	34.55	0.73	2.69	27.20	97.8	1500.	3.14	34.61	27.58	62.4	1.795
931.	4.91	34.55	1.01	2.85	27.35	83.9	2000.	2.19	34.65	27.70	50.5	2.062
1295.	3.66	34.59	1.53	2.63	27.52	68.6	2500.	1.82	34.67	27.74	46.1	2.328
1659.	2.80	34.62	1.80	2.50	27.62	58.3						
2023.	2.16	34.65	2.24	2.25	27.70	50.1						
2742.	1.83	34.68	2.69	2.74	27.75	46.5						

SALINITY ERROR TERM AT 300. METERS IS 0.07
SALINITY ERROR TERM AT 400. METERS IS 0.06

CROMWELL	10, STATION	8, 11-28N LAT, 153-59W LONG, NOV.	9, 1964, 0000 G.C.T.	BAR. 10	WEATHER 01	VIS. 7	CLOUD	TYPE 1, COVER 7				
DRY BULB	27.0	WET BULB 23.5	WIND SPEED 20, OIR. 08	800	10	WEATHER 01	VIS. 7	CLOUD	TYPE 1, COVER 7			
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	26.55	34.02	4.41	4.75	22.14	569.2	0.	26.55	34.02	22.14	570.8	0.057
11.	26.59	34.02			22.13	570.9	10.	26.59	34.02	22.14	570.9	0.115
20.	26.58	34.02			22.14	570.9	20.	26.58	34.02	22.14	570.9	0.172
30.	26.52	34.07			22.19	565.9	30.	26.52	34.07	22.19	565.9	0.230
51.	21.88	34.61	5.10		23.98	396.2	50.	22.15	34.58	23.88	405.3	0.270
78.	18.89	34.81	4.49		24.92	306.7	75.	19.16	34.82	24.86	312.8	0.360
100.	15.72	34.52	3.76		25.46	255.6	100.	15.72	34.52	25.46	255.8	0.432
124.	12.68	34.49	1.35		26.08	197.1	150.	11.81	34.64	26.40	167.0	0.539
150.	11.61	34.64	0.53		26.40	167.0	200.	10.68	34.71	26.63	146.7	0.618
176.	10.97	34.68	0.42		26.55	153.4	250.	10.14	34.71	26.72	138.6	0.690
191.	10.77	34.70	0.31		26.60	148.8	300.	9.65	34.69	26.79	133.1	0.758
222.	10.46	34.72	0.31		26.67	142.7	400.	8.69	34.64	26.90	123.4	0.888
250.	10.14	34.71	0.42		26.72	138.6	500.	7.68	34.59	27.02	113.4	1.007
276.	9.83	34.70	0.44		26.77	134.7	600.	6.85	34.56	27.11	105.2	1.117
299.	9.66	34.69	0.44		26.79	133.2	700.	6.09	34.55	27.21	96.8	1.219
398.	8.71	34.64	0.40		26.90	123.6	800.	5.46	34.55	27.29	89.5	1.314
499.	7.69	34.59	0.43		27.02	113.5	1000.	4.49	34.56	27.41	78.5	1.484
598.	6.87	34.56	0.66		27.11	105.4	1200.	3.79	34.58	27.49	70.4	1.634
774.	5.60	34.55	0.95		27.27	91.1						
924.	4.90	34.56	0.89		27.36	82.9						
1310.	3.52	34.59	1.55		27.53	67.0						

FROM 6T DATA

Table 3.--Continued

ORIGINAL DATA

DERIVED DATA

INTERPOLATED DATA

CROMWELL		10, STATION	9, 13-	ON LAT.	153-57W LONG.	NOV.	9, 1964, 1000 G.C.T.				
DRY BULB	25.0	WET BULB	23.4	WIND SPEED	22, DIR.	07	BAR. 15	WEATHER 01	VIS.	CLOUD TYPE	COVER
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	26.43	33.94	4.67	0.33	22.12	571.4	0.	26.43	33.94	22.12	571.4
11.	26.46	33.94	4.70	0.33	22.11	572.7	10.	26.46	33.94	22.11	572.7
30. ^A	26.44	34.00			22.16	568.5	20.	26.49	33.93	22.10	574.4
51.	25.81	34.63	5.18	0.31	22.83	505.2	30.	26.44	34.00	22.16	668.5
78.	22.34	34.87	4.81		24.04	390.7	50.	25.87	34.60	22.79	509.2
102.	20.13	35.01	4.65	0.42	24.75	323.7	75.	22.77	34.86	23.91	403.0
128.	16.85	34.65	4.08	0.61	25.30	272.2	100.	20.31	35.01	24.70	328.4
153.	12.94	34.30	2.67	1.82	25.88	216.8	150.	13.36	34.33	25.82	222.8
178.	11.60	34.48	1.04	2.53	26.28	179.3	200.	10.98	34.54	26.44	164.4
191.	11.21	34.52	1.01	2.48	26.38	169.7	250.	10.17	34.60	26.63	147.3
226.	10.47	34.58	0.71	2.75	26.56	153.2	300.	9.54	34.60	26.74	137.8
253.	10.14	34.60	0.54	2.45	26.64	146.8	400.	8.61	34.60	26.89	125.0
281.	9.83	34.60	0.46	2.74	26.69	142.2	500.	7.56	34.57	27.02	112.9
305.	9.46	34.60	0.35		26.75	136.7	600.	6.79	34.54	27.11	105.6
405.	8.58	34.60	0.35	2.76	26.89	124.6	700.	6.07	34.53	27.20	97.6
506.	7.50	34.57	0.60		27.03	112.3	800.	5.42	34.54	27.28	89.9
607.	6.74	34.54	0.58	2.56	27.11	105.2	1000.	4.48	34.56	27.41	78.5
807.	5.38	34.54	0.69	3.23	27.29	89.3	1200.	3.83	34.59	27.50	70.1
1009.	4.45	34.56	1.25		27.41	78.1	1500.	3.03	34.61	27.59	60.9
1209.	3.81	34.59	1.41	3.05	27.50	69.7					1.956
1510.	3.01	34.61	1.78	2.61	27.59	60.7					

CROMWELL		10, STATION	10, 14-28N LAT,	153-57W LONG., NOV.	9, 1964, 1900 G.C.T.						
DRY BULB	25.7	WET BULB	23.5	WIND SPEED	26, DIR.	07	BAR. 14	WEATHER 02	VIS. 8	CLOUD TYPE R, COVER 6	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	26.02	33.91	4.87	0.38	22.23	561.3	0.	26.02	33.91	22.23	561.3
10.	25.99	33.90	4.85	0.34	22.23	561.5	10.	25.99	33.90	22.23	561.5
30. ^A	25.99	33.90			22.23	562.3	20.	25.98	33.90	22.23	561.9
50. ^A	25.99	33.90			22.23	563.1	30.	25.99	31.90	22.23	562.3
74.	20.77	34.48	4.84	0.67	24.18	377.4	50.	25.99	31.90	22.23	563.1
98.	16.33	34.41	2.95	1.51	25.24	277.1	75.	20.56	34.48	24.24	371.7
124.	13.59	34.31	3.50	2.18	25.76	227.9	100.	16.06	34.40	25.29	271.7
149.	12.29	34.24	3.26	1.60	25.96	208.8	150.	12.26	34.25	25.97	207.7
171.	11.71	34.42	1.40	2.20	26.21	185.5	200.	10.81	34.47	26.42	166.6
186.	11.17	34.45	1.27	2.27	26.34	174.0	250.	9.74	34.48	26.61	148.7
218.	10.41	34.48	1.08	2.35	26.50	159.4	300.	8.98	34.45	26.71	139.9
243.	9.81	34.47	1.01	2.53	26.59	150.7	400.	7.65	34.44	26.91	122.0
268.	9.58	34.51	2.68	2.66	26.66	144.5	500.	6.81	34.48	27.06	108.8
292.	9.12	34.46	0.94	2.55	26.70	141.3	600.	6.14	34.49	27.15	100.7
387.	7.79	34.44	0.70		26.89	124.2	700.	5.54	34.51	27.25	92.3
482.	6.94	34.48	0.63	3.02	27.04	110.5	800.	5.03	34.53	27.32	85.2
576.	6.29	34.48	0.70	3.27	27.13	102.9	1000.	4.20	34.55	27.43	75.8
766.	5.19	34.53	0.80	3.20	27.30	87.1	1200.	3.52	34.57	27.52	67.4
956.	4.36	34.54	1.02	3.07	27.40	77.9					
1135.	3.74	34.57	1.19	3.20	27.49	69.7					
1356.	3.08	34.59	1.58	2.92	27.57	62.0					

CROMWELL		10, STATION	11, 16- ON LAT,	154- 4W LDNG., NOV.	10, 1964, 0500 G.C.T.						
DRY BULB	25.5	WET BULB	22.7	WIND SPEED	28, DIR.	07	BAR. 16	WEATHER 60	VIS. 6	CLOUD TYPE R, COVER 7	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	25.51	34.39	5.00	0.25	22.75	511.6	0.	25.51	34.39	22.75	511.6
10.	25.50	34.38	5.02		22.74	512.5	10.	25.50	34.38	22.74	512.5
30. ^A	25.46	34.38			22.75	512.1	20.	25.48	34.38	22.75	512.4
50. ^A	25.42	34.38			22.77	511.7	30.	25.46	34.38	22.75	512.1
77.	23.32	34.88	5.28	0.24	23.77	416.8	50.	25.42	34.38	22.77	511.7
101.	21.99	35.06	5.10	0.77	24.29	368.5	75.	23.50	34.84	23.69	424.8
125.	20.94	35.14	5.05	0.32	24.64	335.9	100.	22.04	15.06	24.27	370.0
150.	18.68	34.92	4.55	0.40	25.06	296.1	150.	18.68	34.92	25.06	296.1
174.	15.04	34.42	3.69	1.48	25.54	250.8	200.	12.69	34.27	25.91	215.1
190.	13.58	34.29	4.21	0.71	25.74	230.9	250.	11.16	34.56	26.42	167.3
223.	11.22	34.35	2.48	2.02	26.25	183.1	300.	10.77	34.70	26.60	151.2
250.	11.16	34.56	1.26	2.17	26.42	167.3	400.	9.45	34.62	26.77	137.0
274.	10.80	34.62	1.63	2.11	26.54	157.1	500.	8.47	34.58	26.89	126.2
299.	10.78	34.70	0.28	2.59	26.60	151.4	600.	7.39	34.55	27.03	113.7
398.	9.47	34.62	0.38	2.18	26.76	137.2	700.	6.51	34.53	27.14	104.1
498.	8.49	34.53	0.33		26.89	126.4	800.	5.80	34.52	27.22	96.3
598.	7.61	34.55	0.65		27.03	113.9	1000.	4.79	34.54	27.36	83.8
798.	5.81	34.52	0.67	2.80	27.22	96.4	1200.	4.02	34.56	27.46	74.4
997.	4.80	34.54	0.90	2.44	27.36	83.9					
1196.	4.06	34.56	1.19	3.17	27.45	74.9					
1496.	3.22	34.59	1.57	3.20	27.56	64.6					

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL DRY BULB 24.8	10. STATION WET BULB 20.9	12, 17-29N LAT, WIND SPEED 24, DIR. 08	153-56W LONG, NOV. 10, 1964, 1400 G.C.T.	BAR. 18	IR	WEATHER 01	VIS.	CLOUD TYPE , COVER			DYN.DPTH.		
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELT A	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.	
0.	25.36	34.44	4.76	0.28	22.83	503.7	0.	25.36	34.44	22.83	503.6	0.000	
1.	25.34	34.43	4.78	0.42	22.83	504.1	10.	25.34	34.43	22.83	504.2	0.051	
2.	25.34	34.43			22.83	505.0	20.	25.34	34.43	22.83	504.6	0.102	
30. [△]	25.34	34.43			22.83	505.7	30.	25.34	34.43	22.83	505.0	0.152	
50. [△]	25.34	34.43			22.83	506.1	50.	25.34	34.43	22.83	505.7	0.254	
77.	23.40	34.67	5.16	0.25	23.59	434.1	75.	23.57	34.65	23.52	440.3	0.373	
102.	22.22	34.82	5.11	0.38	24.04	392.0	100.	22.30	34.81	24.01	394.7	0.479	
126.	21.51	34.96	5.02	0.37	24.34	363.9	150.	19.52	34.82	24.77	123.9	0.660	
152.	19.32	34.80	4.51	0.54	24.81	320.4	150.	14.85	34.39	25.56	249.5	0.804	
177.	16.98	34.61	4.00	0.68	25.24	279.6	200.	11.10	34.23	26.18	190.6	0.915	
192.	15.60	34.47	3.78	0.99	25.45	259.6	250.	10.73	34.59	26.53	158.4	1.003	
227.	12.57	34.22	3.96	1.12	25.99	217.5	300.	10.73	34.59	27.32	87.5	1.821	
253.	10.96	34.24	2.63	2.09	26.21	187.3	400.	9.53	34.57	26.71	142.0	1.155	
279.	10.77	34.51	1.00	2.63	26.45	164.7	500.	8.42	34.54	26.87	128.2	1.291	
304.	10.72	34.60	0.46	2.40	26.53	157.8	600.	7.30	34.49	27.00	116.4	1.415	
405.	9.45	34.56	0.38	2.82	26.72	141.5	700.	6.48	34.48	27.10	107.2	1.528	
507.	8.35	34.54	0.35	2.55	26.88	127.3	800.	5.87	34.49	27.19	99.6	1.632	
608.	7.21	34.49	0.45	2.91	27.01	115.6	1000.	4.84	34.50	27.32	87.5	1.821	
808.	5.83	34.49	0.61	3.18	27.19	99.0	1200.	3.98	34.52	27.43	76.8	1.988	
1011.	4.79	34.50	0.88	3.42	27.32	86.9							
1183.	4.01	34.52	1.05	3.40	27.43	77.1							
1406.	3.40	34.56	1.33	2.60	27.52	68.4							

CROMWELL DRY BULB 25.8	10. STATION WET BULB 22.5	13, 19- ON LAT, WIND SPEED 23, DIR. 07	153-58W LONG, NOV. 10, 1964, 2300 G.C.T.	BAR. 18	IR	WEATHER 02	VIS.	7	CLOUD TYPE B, COVER 5			DYN.DPTH.
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELT A	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.38	34.56	4.79	0.34	22.91	495.6	0.	25.38	34.56	22.91	495.6	0.000
11.	25.42	34.57	4.88	0.29	22.91	496.5	10.	25.42	34.57	22.91	496.4	0.050
30. [△]	25.40	34.59			22.93	495.2	20.	25.42	34.58	22.92	496.0	0.100
50. [△]	25.38	34.59			22.94	495.4	30.	25.40	34.59	22.93	495.2	0.150
75.	25.36	34.59			22.94	495.8	50.	25.38	34.59	22.94	495.4	0.250
105.	22.42	34.87	5.14	0.27	24.02	393.9	75.	25.36	34.59	22.94	495.8	0.374
130.	21.45	34.98	4.92	0.30	24.38	361.0	100.	22.95	34.82	23.83	412.0	0.489
155.	20.64	35.03	4.73	0.40	24.63	337.2	150.	20.80	35.03	24.59	341.5	0.679
185.	19.42	34.96	4.39	0.80	24.90	312.5	200.	18.84	34.90	25.00	303.4	0.841
203.	18.70	34.88	4.33	0.47	25.02	301.2	250.	15.12	34.51	25.59	248.3	0.980
230.	16.49	34.67	4.40	1.13	25.40	265.8	300.	11.89	34.21	26.02	207.3	1.095
255.	14.80	34.47	4.35	0.92	25.63	244.5	400.	8.24	34.12	26.57	154.7	1.278
276.*	13.42*	34.33	4.49	0.96	25.81	227.1	500.	6.79	34.21	26.85	128.8	1.421
283.	13.02	34.29	4.58	1.02	25.86	222.4	600.	5.93	34.31	27.04	110.6	1.542
310.	11.22	34.17	3.91	1.51	26.11	198.3	700.	5.65	34.33	27.11	104.7	1.651
408.	8.12	34.13	2.96	1.88	26.59	152.3	800.	4.95	34.46	27.27	89.7	1.749
510.	6.73	34.21	1.52		26.85	128.0						
518.*	6.69	34.20	1.75	2.76	26.85	128.3						
610.	5.82	34.34		3.26	27.08	107.4						
813.	4.90	34.48	1.04	3.48	27.30	87.6						

TEMPERATURE ERROR TERM AT 100. METERS IS 0.12
 TEMPERATURE ERROR TERM AT 700. METERS IS 0.14
 SALINITY ERROR TERM AT 700. METERS IS 0.07

CROMWELL DRY BULB 23.3	10. STATION WET BULB 20.5	14, 20-32N LAT, 153-57W LONG, NOV. 11, 1964, 0900 G.C.T.	WIND SPEED 22, DIR. 07	BAR. 20	IR	WEATHER 00	VIS.	CLOUD TYPE , COVER			DYN.DPTH.	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELT A	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	24.88	34.71	4.83	0.33	23.18	470.2	0.	24.88	34.71	23.18	470.2	0.000
10. [△]	24.86	34.71	4.84	0.38	23.19	470.0	10.	24.86	34.71	23.19	470.0	0.047
30. [△]	24.86	34.71			23.19	470.8	20.	24.86	34.71	23.19	470.3	0.095
50. [△]	24.86	34.71			23.19	471.6	30.	24.86	34.71	23.19	470.8	0.142
77.	23.58	34.94	5.09	0.27	23.74	419.7	50.	24.86	34.71	23.19	471.6	0.237
102.	22.29	35.00	5.00	0.32	24.16	380.9	75.	23.70	34.92	23.69	426.4	0.350
127.	20.81	34.95	4.74	0.38	24.53	346.3	100.	22.40	35.00	24.13	383.8	0.452
153.	19.24	34.93	4.38	0.52	24.93	309.1	150.	19.36	34.93	24.89	311.9	0.627
155.*	19.22*	34.93	4.38	0.57	24.93	308.7	200.	16.20	34.58	25.40	265.2	0.772
177.	17.94	34.79	4.25	0.60	25.14	288.7	250.	12.51	34.21	25.89	218.0	0.894
192.	16.76	34.65	4.23	0.77	25.32	272.2	300.	10.28	34.14	26.26	183.7	0.996
225.*	14.13*	34.34	3.98	1.16	25.67	239.3	400.	8.19	34.16	26.61	151.0	1.164
227.	13.92	34.32	3.96	1.04	25.70	236.5	500.	6.77	34.16	26.81	132.1	1.307
253.	12.40	34.20	4.08	1.15	25.91	216.4	600.	5.73	34.17	26.95	118.7	1.434
280.	10.98	34.14	4.25	1.28	26.13	195.6	700.	5.05	34.25	27.10	105.5	1.547
309.*	10.02	34.15	3.72	1.68	26.31	179.1	800.	4.53	34.33	27.22	94.0	1.648
405.*	8.12	34.16	2.77	2.20	26.62	150.0	1000.	3.96	34.50	27.41	76.5	1.821
603.*	5.70	34.17	1.16	3.34	26.96	118.4	1200.	3.42	34.54	27.50	68.6	1.968
1012.	3.95	34.51	1.16	3.08	27.42	75.6	1500.	2.80	34.58	27.59	60.2	2.164
1212.	3.39	34.54	1.33	2.60	27.50	68.3						
1512.	2.78	34.58	1.68	3.05	27.59	60.1						

TEMPERATURE ERROR TERM AT 700. METERS IS 0.11
 TEMPERATURE ERROR TERM AT 800. METERS IS 0.15

FROM BT DATA
 *INTERPOLATED DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL		10° STATION	15, 22-14° LAT, 153-56° LONG, NOV. 11, 1964, 1900 G.C.T.									
DRY BULB 23.5		WET BULB 20.4	WIND SPEED 20, DIR. 10									
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	24.66	34.85	4.99	0.24	23.36	453.2	0.	24.64	34.85	23.36	453.2	0.000
11. ^A	24.67	34.84	4.91		23.34	455.2	10.	24.67	34.84	23.34	455.1	0.046
30. ^A	24.66	34.85			23.35	455.0	20.	24.68	34.84	23.34	455.8	0.092
50. ^A	24.52	34.89			23.42	448.9	30.	24.66	34.85	23.35	455.0	0.137
75. ^A	24.22	34.96			23.57	436.2	50.	24.52	34.89	23.42	448.9	0.229
106.	22.87	35.20	4.85	0.20	24.14	382.4	75.	24.22	34.96	23.57	436.2	0.340
133.	21.70	35.26	5.04	0.22	24.52	347.5	100.	23.17	35.15	24.02	393.8	0.445
159.	20.71	35.23	4.96	0.26	24.77	324.7	150.	21.06	35.25	24.69	331.9	0.627
186.	19.47	35.12	4.82	0.27	25.01	302.2	200.	18.59	34.98	25.13	291.6	0.785
212.	17.86	34.85	4.63	0.42	25.21	283.7	250.	15.78	34.59	25.50	256.9	0.923
237.	16.87	34.72	4.59	0.47	25.35	271.0	300.	12.33	34.27	25.98	210.9	1.041
265.	14.42	34.43	5.12	0.66	25.68	239.8	400.	8.83	34.06	26.43	168.2	1.232
291.	12.71	34.30	4.95	0.89	25.93	215.9	500.	6.51	34.10	26.80	133.1	1.384
316.	11.76	34.23	5.01	0.88	26.06	203.8	600.	5.46	34.20	27.01	112.7	1.508
420.	8.23	34.04	3.86	1.20	26.51	160.8	700.	4.97	34.31	27.15	99.8	1.616
523.	6.16	34.19	1.62	2.67	26.87	126.3	800.	4.64	34.41	27.27	89.5	1.711
627.	5.31	34.23	1.01	2.89	27.05	109.2	1000.	4.02	34.51	27.42	76.2	1.879
834.	4.56	34.44	1.00	2.55	27.30	86.6	1200.	3.46	34.55	27.51	69.1	2.025
1038.	3.90	34.52	1.17	3.02	27.44	74.5	1500.	2.83	34.60	27.60	59.4	2.219
1242.	3.36	34.56	1.41	2.73	27.52	66.7						
1549.	2.75	34.60	1.70	3.02	27.61	58.5						
CROMWELL		10° STATION	16, 23-28° LAT, 153-57° LONG, NOV. 12, 1964, 0300 G.C.T.									
DRY BULB 23.0		WET BULB 21.5	WIND SPEED 19, DIR. 06									
DEPTH	TEMP.	SAL.	JXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPH.
0.	24.10	35.17	4.70	0.39	23.75	414.8	0.	24.10	35.17	23.76	414.8	0.000
9.	24.12	35.17	4.66	0.24	23.75	415.7	10.	24.12	35.17	23.76	415.7	0.042
50. ^A	24.06	35.17			23.77	415.6	20.	24.11	35.17	23.76	416.0	0.084
75. ^A	24.04	35.17			23.78	416.0	30.	24.10	35.17	23.76	416.0	0.126
100. ^A	24.02	35.17			23.78	416.4	50.	24.06	35.17	23.77	415.6	0.209
123.	21.82	35.20	4.84	0.28	24.44	354.6	75.	24.04	35.17	23.78	416.0	0.314
148.	20.73	35.12	4.59	0.33	24.68	332.7	100.	24.02	35.17	23.78	416.4	0.419
172.	19.40	35.00	4.50	0.35	24.94	308.6	150.	20.62	35.11	24.70	330.7	0.607
186.	18.64	34.92	4.48	0.42	25.07	296.3	200.	17.83	34.83	25.20	2d4.1	0.762
219.	16.58	34.69	4.48	0.59	25.39	266.1	250.	14.24	34.45	25.73	234.4	1.893
245.	14.67	34.47	4.36	0.71	25.70	237.3	300.	12.33	34.30	26.00	20d.6	1.005
270.	13.51	34.38	4.43	0.96	25.83	225.1	400.	9.07	34.10	26.42	189.0	1.195
294.	12.56	34.32	4.69	0.95	25.97	211.6	500.	6.92	34.06	26.72	141.2	1.352
393.	9.26	34.11	4.31	1.25	26.40	171.2	600.	5.50	34.16	26.97	116.5	1.482
492.	7.06	34.06	2.86	2.17	26.69	143.4	700.	4.83	34.27	27.14	100.d	1.592
591.	5.58	34.15	1.35	2.75	26.96	118.2	800.	4.53	34.38	27.26	90.5	1.688
790.	4.56	34.37	0.84	2.80	27.25	91.3	1000.	4.03	34.49	27.40	78.3	1.859
987.	4.07	34.48	1.22	3.12	27.39	79.1	1200.	3.41	34.55	27.51	67.5	2.007
1185.	3.46	34.55	1.28	3.07	27.50	68.2						
1453.	2.82	34.58	1.65	3.16	27.59	60.2						
CROMWELL		10° STATION	17, 23-30° LAT, 151-0° LONG, NOV. 12, 1964, 2300 G.C.T.									
DRY BULB 23.2		WET BULB 19.8	WIND SPEED 19, DIR. 11									
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPH.
0.	23.73	35.24			23.92	399.3	0.	23.73	35.24	23.92	399.3	0.000
9.	23.74	35.24			23.92	399.9	10.	23.74	35.24	23.92	400.0	0.040
50. ^A	23.74	35.24			23.92	401.5	20.	23.74	35.24	23.92	400.5	0.081
75. ^A	23.73	35.24			23.92	402.2	30.	23.75	35.24	23.92	400.9	0.121
95.	21.22	35.19			24.60	338.5	50.	23.74	35.24	23.92	401.5	0.202
120.	20.46	35.19			24.80	319.7	75.	23.73	35.24	23.92	402.2	0.303
137.	19.88	35.20			24.96	304.9	100.	20.97	35.19	24.66	332.3	0.376
165.	19.17	35.10			25.07	295.5	150.	19.55	35.17	25.03	294.5	0.555
181.	18.65	35.02			25.14	289.2	200.	17.41	34.81	25.29	275.3	0.700
214.	16.22	34.63			25.43	262.2	250.	13.49	34.29	25.77	230.6	0.927
233.	14.48	34.40			25.64	242.3	300.	11.60	34.24	26.10	149.6	0.936
261.	13.01	34.26			25.84	223.8	400.	9.08	34.10	26.42	169.5	1.172
284.	12.10	34.26			26.02	207.1	500.	6.87	34.03	26.70	142.9	1.279
382.	9.54	34.12			26.36	174.8	600.	5.55	34.11	26.93	120.6	1.412
483.	7.18	34.03			26.65	147.2	700.	4.85	34.25	27.12	102.7	1.525
575.	5.78	34.08			26.88	125.7	800.	4.50	34.39	27.27	89.5	1.622
772.	4.60	34.36			27.24	92.4	1000.	3.94	34.50	27.42	76.1	1.790
971.	4.01	34.49			27.40	77.5	1200.	3.45	34.56	27.51	67.3	1.935
1170.	3.53	34.54			27.49	69.7						
1471.	2.88	34.59			27.59	60.3						

FROM BT DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL	10, STATION	14, 21-59' LAT,	150-59' LONG.	NOV. 13, 1964,	0900 G.C.T.							
DRY BULB 23.4	WET BULB 21.0	WIND SPEED 20, DIR. 09	BAR. 21	WEATHER	60	VIS.		CLOUD	TYPE	,	COVER	
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	24.04	35.02			23.67	423.9	0.	24.04	35.02	23.67	423.9	0.000
9.	24.12	35.03			23.65	425.8	10.	24.12	35.03	23.65	425.9	0.043
30. ^A	24.12	35.04			23.66	425.9	20.	24.14	35.04	23.65	426.2	0.086
50. ^A	24.12	35.05			23.66	425.9	30.	24.12	35.04	23.66	425.9	0.129
75. ^A	24.12	35.05			23.66	426.9	50.	24.12	35.05	23.66	425.9	0.214
100. ^A	24.02	35.04			23.72	427.9	75.	24.12	35.05	23.66	426.9	0.322
121.	22.23	34.15			24.29	369.2	100.	24.02	35.08	23.72	422.9	0.429
144.	21.52	34.18			24.51	348.9	150.	21.34	35.20	24.57	343.0	0.622
168.	20.76	34.23			24.75	326.3	200.	19.02	35.00	25.04	300.1	0.784
182.	20.24	34.19			24.86	316.4	250.	14.69	34.45	25.63	243.5	0.921
215.	17.71	34.00			25.21	283.9	300.	11.67	34.15	26.01	207.8	1.035
241.	15.22	34.51			25.56	250.2	400.	8.31	34.09	26.53	158.2	1.219
265.	13.85	34.36			25.74	233.8	500.	7.20	34.26	26.83	130.7	1.365
284.	12.26	34.19			25.93	215.4	600.	6.29	34.37	27.04	111.6	1.488
385.	8.60	34.07			26.47	163.6	700.	5.41	34.40	27.17	98.8	1.594
482.	7.34	34.23			26.79	134.7						
579.	6.08	34.37			26.99	116.5						
774.	4.75	34.37			27.23	93.5						

TEMPERATURE ERROR TERM AT 600. METERS IS 0.14
 TEMPERATURE ERROR TERM AT 700. METERS IS 0.11

CROMWELL	10, STATION	19, 20-28N LAT, 150-58W LONG.	NOV. 13, 1964, 1900 G.C.T.									
DRY BULB 23.9	WET BULB 22.0	WIND SPEED 25, DIR. 08	BAR. 20	WEATHER	16	VIS. 6		CLOUD	TYPE 6	,	COVER 8	
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	24.19	35.05			23.64	426.0	0.	24.19	35.05	23.64	426.0	0.000
11. ^A	24.18	35.05			23.65	426.1	10.	24.18	35.05	23.65	426.1	0.043
30. ^A	24.18	35.05			23.65	426.9	20.	24.18	35.05	23.65	426.4	0.086
50. ^A	24.18	35.05			23.65	427.6	30.	24.18	35.05	23.65	426.9	0.129
76.	22.97	35.12			24.05	389.8	50.	24.18	35.05	23.65	427.6	0.215
100.	21.90	35.12			24.36	361.7	75.	23.03	35.12	24.03	391.5	0.318
124.	21.30	35.22			24.60	339.5	100.	21.90	35.12	24.36	361.7	0.413
151.	19.89	35.01			24.82	319.4	150.	19.95	35.02	24.81	320.1	0.585
174.	18.65	34.89			25.04	298.3	200.	16.99	34.67	25.28	276.1	0.735
189.	17.80*	34.76			25.16	280.0	250.	12.86	34.23	25.84	222.8	0.861
222.	15.17	34.49			25.56	249.9	300.	10.33	34.11	26.22	187.4	0.964
248.	12.99	34.24			25.83	224.6	400.	7.55	34.03	26.60	151.3	1.135
274.	11.52	34.16			26.05	203.6	500.	5.74	34.07	26.87	125.0	1.274
298.	10.41	34.11			26.21	188.4	600.	5.22	34.24	27.07	106.8	1.392
395.	7.67	34.03			26.58	152.8	700.	4.78	34.36	27.21	93.8	1.493
493.	5.80	34.06			26.86	126.5	800.	4.42	34.44	27.32	84.6	1.583
591.	5.26	34.23			27.06	108.2	1000.	3.90	34.53	27.44	73.5	1.743
801.	4.44	34.44			27.32	84.5	1200.	3.41	34.56	27.52	67.0	1.885
1003.	3.89	34.53			27.45	73.4	1500.	2.77	34.60	27.61	58.4	2.076
1203.	3.40	34.56			27.52	66.9						
1504.	2.76	34.60			27.61	58.4						

CROMWELL	10, STATION	20, 18-59N LAT, 151-1W LONG.	NOV. 14, 1964, 0400 G.C.T.									
DRY BULB 24.8	WET BULB 22.5	WIND SPEED 20, DIR. 14	BAR. 15	WEATHER	02	VIS. 6		CLOUD	TYPE	,	COVER 8	
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	24.65	34.69			23.23	465.0	0.	24.65	34.69	23.23	465.0	0.000
12.	24.70	34.70			23.23	466.2	10.	24.69	34.70	23.23	466.0	0.047
30. ^A	24.78	34.71			23.21	468.5	20.	24.74	34.70	23.22	467.3	0.094
50. ^A	24.78	34.72			23.22	468.6	30.	24.78	34.71	23.21	468.5	0.141
75. ^A	24.52	34.81			23.36	455.6	50.	24.78	34.72	23.22	468.6	0.235
99.	23.09	35.05			23.97	399.0	75.	24.52	34.81	23.36	455.6	0.352
123.	21.72	35.11			24.40	356.5	100.	23.03	35.06	23.99	397.0	0.459
148.	20.44	35.02			24.68	332.5	150.	20.41	35.03	24.70	331.0	0.643
173.	19.85	35.10			24.90	312.7	200.	17.68	34.79	25.21	283.3	0.798
187.	16.75	34.94			25.06	297.6	250.	12.84	34.25	25.87	220.7	0.925
221.	15.77	34.55			25.47	258.4	300.	10.73	34.16	26.19	190.4	1.028
247.	13.04	34.27			25.84	223.3	400.	8.31	34.16	26.59	152.8	1.201
272.	11.69	34.18			26.03	205.2	500.	6.58	34.22	26.88	124.9	1.342
330.	10.00	34.17			26.32	177.7	600.	5.78	34.33	27.08	107.3	1.459
399.	8.33	34.16			26.59	153.1	700.	5.44	34.44	27.20	96.6	1.562
538.	6.14	34.26			26.97	116.7	800.	4.99	34.48	27.29	88.3	1.655
678.	5.54	34.42			27.17	98.7	1000.	4.21	34.52	27.41	77.6	1.823
817.	4.92	34.49			27.30	87.2						
1030.	4.10	34.52			27.42	76.9						

*FROM BT DATA
 *INTERPOLATED DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL	10, STATION	21, 17-30N LAT, 151°-0W LONG, NOV. 14, 1964, 1400 G.C.T.		DRY BULB 24.2	WET BULB 22.1	WIND SPEED 16, DIR. 13	BAR. 16	WEATHER 01	VIS.	CLOUD TYPE	, COVER	
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.CPTH.
0.	25.15	34.09			22.63	522.7	0.	25.15	34.09	22.63	522.7	0.000
11.	25.14	34.09			22.63	522.9	10.	25.14	34.09	22.63	522.8	0.053
30. ^Δ	25.14	34.09			22.63	523.6	20.	25.14	34.07	22.61	525.0	0.105
51.	25.08	34.55			23.00	489.6	30.	25.14	34.09	22.63	523.6	0.158
77.	23.09	35.01			23.94	401.0	50.	25.10	34.52	22.97	492.0	0.261
126.	20.89	35.16			24.66	331.2	75.	23.27	34.98	23.86	408.0	0.374
153.	19.62	35.09			24.95	306.9	100.	21.94	35.16	24.38	359.8	0.471
177.	18.00	34.85			25.18	285.8	150.	19.78	35.11	24.92	309.6	0.639
192.	16.64	34.65			25.35	269.5	200.	15.73	34.53	25.47	258.1	0.782
227.	12.80	34.24			25.86	220.4	250.	11.24	34.23	26.15	193.0	0.896
254.	11.04	34.24			26.20	189.7	300.	9.72	34.36	26.52	158.2	0.985
279.	10.14	34.32			26.42	167.9	400.	8.64	34.47	26.78	135.2	1.133
305.	9.64	34.37			26.54	156.5	500.	7.38	34.47	26.97	117.6	1.260
406.	8.59	34.47			26.79	134.4	600.	6.46	34.46	27.09	107.0	1.374
506.	7.30	34.47			26.98	116.8	700.	5.76	34.48	27.19	97.5	1.477
608.	6.40	34.46			27.10	106.3	800.	5.19	34.51	27.28	89.2	1.571
809.	5.15	34.51			27.29	88.6	1000.	4.37	34.53	27.39	79.3	1.742
1010.	4.34	34.53			27.40	78.9	1200.	3.73	34.56	27.48	71.0	1.894
1210.	3.70	34.56			27.49	70.6	1500.	2.93	34.60	27.59	60.5	2.094
1511.	2.91	34.60			27.60	60.2	2000.	2.14	34.64	27.70	50.3	2.376
1949.	2.19	34.64			27.69	50.9	2500.	1.82	34.66	27.74	46.9	2.623
2447.	1.85	34.66			27.73	47.2	3000.	1.62	34.68	27.77	44.5	2.857
2946.	1.66	34.68			27.76	44.9						
3943.	1.48	34.70			27.79	43.7						

CROMWELL	10, STATION	22, 15-58N LAT, 151°-0W LONG, NOV. 15, 1964, 0100 G.C.T.		DRY BULB 24.1	WET BULB 23.5	WIND SPEED 10, DIR. 13	BAR. 14	WEATHER 16	VIS. 7	CLOUD TYPE 7, CLOVER 9		
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.CPTH.
0.	25.47	33.81			22.32	552.2	0.	25.47	33.81	22.32	552.2	0.000
9.	25.41	31.81			22.33	551.4	10.	25.43	33.81	22.33	551.4	0.056
30. ^Δ	25.34	33.81			22.35	550.8	20.	25.40	33.81	22.34	551.1	0.111
50. ^Δ	25.32	33.84			22.39	547.6	30.	25.38	33.81	22.35	550.9	0.167
74.	21.96	34.51			23.89	406.4	50.	25.32	33.84	22.39	547.6	0.277
98.	18.27	34.50			24.89	310.6	75.	21.80	34.52	23.93	401.5	0.397
124.	15.13	34.43			25.52	250.5	100.	18.01	34.55	24.95	305.0	0.496
148.	12.60	34.34			25.98	207.2	150.	12.44	34.34	26.01	204.5	0.614
172.	10.99	34.30			26.25	181.4	200.	9.99	34.31	26.43	164.7	0.707
187.	10.09	34.23			26.36	171.8	250.	9.59	34.45	26.61	148.7	0.786
221.	10.14	34.47			26.53	155.7	300.	9.18	34.48	26.70	140.9	0.859
246.	9.65	34.45			26.60	149.6	400.	7.92	34.45	26.87	125.5	0.994
271.	9.35	34.46			26.66	144.5	500.	6.88	34.46	27.03	111.4	1.113
296.	9.22	34.48			26.70	141.5	600.	6.09	34.47	27.15	101.1	1.220
393.	8.00	34.45			26.86	126.6	700.	5.44	34.49	27.24	92.2	1.318
489.	6.98	34.46			27.02	112.7	800.	4.91	34.51	27.32	85.2	1.408
586.	6.19	34.47			27.13	102.4	1000.	4.14	34.53	27.42	76.0	1.571
777.	5.02	34.51			27.31	86.5	1200.	3.62	34.56	27.50	69.4	1.718
971.	4.22	34.53			27.41	77.1						
1163.	3.77	34.56			27.48	71.1						
1455.	3.14	34.59			27.57	63.4						

TEMPERATURE ERROR TERM AT 200. METERS IS 0.15

CROMWELL	10, STATION	23, 14-30N LAT, 150-57W LONG, NOV. 15, 1964, 1000 G.C.T.		DRY BULB 24.5	WET BULB 23.0	WIND SPEED 13, DIR. 11	BAR. 14	WEATHER 03	VIS.	CLOUD TYPE	, COVER	
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.CPTH.
0.	25.67	34.17			22.53	532.2	0.	25.67	34.17	22.53	532.2	0.000
10. ^Δ	25.63	34.17			22.54	531.4	10.	25.63	34.17	22.54	531.4	0.054
30. ^Δ	25.62	34.17			22.55	531.9	20.	25.63	34.17	22.54	532.0	0.107
50. ^Δ	25.44	34.22			22.64	523.8	30.	25.62	34.17	22.55	531.9	0.161
77.	21.04	34.66			24.24	371.4	50.	25.44	34.22	22.64	523.8	0.267
102.	19.21	34.77			24.81	318.2	75.	21.40	34.63	24.12	383.4	0.361
127.	14.76	34.40			25.58	245.1	100.	19.36	34.78	24.78	321.5	0.470
153.	12.36	34.25			25.96	209.5	150.	12.56	34.26	25.92	212.6	0.605
177.	10.78	34.22			26.23	183.9	200.	9.65	34.18	26.39	168.4	0.701
191.	10.05	34.21			26.35	172.7	250.	9.20	34.36	26.61	148.8	0.781
226.	9.00	34.17			26.49	159.5	300.	8.76	34.46	26.76	135.6	0.852
253.	9.24	34.39			26.62	147.6	400.	8.03	34.55	26.93	120.1	0.981
278.	9.09	34.46			26.70	140.5	500.	7.14	34.53	27.05	109.7	1.097
304.	8.69	34.46			26.76	134.8	600.	6.43	34.52	27.14	102.2	1.204
404.	8.01	34.55			26.94	119.6	700.	5.77	34.52	27.23	94.5	1.304
505.	7.09	34.53			27.06	109.3	800.	5.19	34.53	27.30	87.5	1.396
606.	6.39	34.52			27.14	101.7	1000.	4.40	34.55	27.41	78.2	1.563
807.	5.15	34.53			27.31	87.1	1200.	3.74	34.57	27.49	70.4	1.714
1007.	4.38	34.55			27.41	77.9	1500.	3.04	34.60	27.58	61.7	1.915
1208.	3.72	34.57			27.49	70.1						
1509.	3.02	34.60			27.59	61.5						

FROM BT DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA				
CROMWELL	10, STATION	24, 13- IN LAT, 150-53W LONG, NOV. 15, 1964, 1900 G.C.T.										
DRY BULB	26.4	WET BULB	23.8	WIND SPEED	15, DIR. 08	BAR. 14	WEATHER 01	VIS. 8	CLOUD TYPE 4, COVER 7			
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.89	33.62			22.05	578.3	0.	25.89	33.62	22.05	578.3	0.000
10.	25.88	33.62			22.05	578.4	10.	25.88	33.62	22.05	578.4	0.058
20. ^A	25.88	33.62			22.05	578.8	20.	25.88	33.62	22.05	578.8	0.117
30. ^A	25.88	33.62			22.05	579.2	30.	25.88	33.62	22.05	579.2	0.175
50.	22.92	34.66			23.72	420.6	50.	22.92	34.66	23.72	420.6	0.276
75.	20.94	34.91			24.46	350.7	75.	20.94	34.91	24.46	350.7	0.373
100.	15.49	34.49			25.49	253.1	100.	15.49	34.49	25.49	253.1	0.449
124.	12.82	34.26			25.87	216.7	150.	11.42	34.28	26.15	190.5	0.561
149.	11.45	34.27			26.14	191.3	200.	10.96	34.61	26.50	159.0	0.649
173.	11.10	34.44			26.34	173.2	250.	10.15	34.61	26.64	146.1	0.726
187.	11.13	34.56			26.43	165.3	300.	9.64	34.62	26.74	138.0	0.797
221.	10.55	34.62			26.58	151.6	400.	8.67	34.60	26.88	126.1	0.930
247.	10.18	34.61			26.64	146.6	500.	7.61	34.55	27.00	115.5	1.052
297.	9.67	34.62			26.73	138.4	600.	6.72	34.53	27.11	105.6	1.164
394.	8.73	34.60			26.87	126.8	700.	6.03	34.52	27.19	98.2	1.267
492.	7.69	34.55			26.99	116.3	800.	5.48	34.52	27.26	91.9	1.363
589.	6.80	34.53			27.10	106.5	1000.	4.53	34.55	27.39	79.7	1.537
787.	5.55	34.52			27.25	92.8	1200.	3.84	34.57	27.49	71.2	1.689
983.	4.60	34.55			27.39	80.5						
1179.	3.94	34.57			27.47	72.6						
1477.	3.18	34.60			27.57	63.3						

CROMWELL	10, STATION	25, 11-22N LAT, 151-0W LONG, NOV. 16, 1964, 0500 G.C.T.										
DRY BULB	25.5	WET BULB	24.0	WIND SPEED	10, DIR. II	BAR. 13	WEATHER 02	VIS.	CLOUD TYPE , COVER			
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	25.68	33.77			22.23	561.3	0.	25.68	33.77	22.23	561.3	0.000
8.	25.69	33.75			22.23	561.2	10.	25.74	33.78	22.21	563.2	0.057
20. ^A	25.62	33.83			22.29	556.0	20.	25.62	33.83	22.29	556.0	0.113
30. ^A	24.20	34.12			22.94	494.5	30.	24.20	34.12	22.94	494.5	0.166
48.	17.56	34.63			25.12	287.3	50.	17.08	34.63	25.23	276.3	0.244
75.	13.29	34.46			25.94	209.7	75.	13.29	34.46	25.94	209.7	0.305
99.	12.02	34.64			26.32	173.2	100.	11.99	34.64	26.33	172.3	0.353
125.	11.45	34.71			26.49	158.4	150.	11.16	34.73	26.56	152.4	0.435
150.	11.16	34.73			26.56	152.4	200.	10.59	34.73	26.66	143.3	0.509
175.	10.90	34.74			26.61	147.7	250.	10.12	34.72	26.73	137.5	0.580
190.	10.72	34.74			26.64	144.9	300.	9.83	34.72	26.78	133.8	0.648
224.	10.30	34.72			26.70	140.0	400.	9.03	34.66	26.87	127.0	0.780
250.	10.12	34.72			26.73	137.5	500.	8.21	34.61	26.96	119.8	0.905
276.	9.98	34.72			26.76	135.8	600.	7.22	34.57	27.07	109.6	1.020
302.	9.82	34.72			26.78	133.7	700.	6.44	34.55	27.16	101.2	1.127
403.	9.00	34.66			26.87	126.8	800.	5.80	34.55	27.24	94.1	1.226
505.	8.17	34.61			26.96	119.4	1000.	4.73	34.56	27.38	81.6	1.403
605.	7.17	34.57			27.08	109.1	1200.	3.99	34.60	27.49	71.3	1.558
807.	5.76	34.55			27.25	93.6	1500.	3.17	34.61	27.58	62.6	1.762
1010.	4.68	34.56			27.38	81.0						
1209.	3.96	34.60			27.49	70.9						
1510.	3.15	34.61			27.58	62.4						

CROMWELL	10, STATION	26, 10-10N LAT, 147-59W LONG, NOV. 17, 1964, 0200 G.C.T.										
DRY BULB	23.8	WET BULB	22.5	WIND SPEED	04, DIR. 33	BAR. 1C	WEATHER 03	VIS. 8	CLOUD TYPE 6, COVER 8			
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
1.	25.44	33.75	4.60	0.38	22.29	555.7	0.	25.44	33.75	22.29	555.7	0.000
11. ^A	25.42	33.77	4.74	0.37	22.31	554.1	10.	25.44	33.77	22.30	555.0	0.056
20. ^A	25.00	33.91			22.46	539.3	20.	25.00	33.81	22.46	539.3	0.111
30. ^A	19.60	34.01			24.13	380.4	30.	19.60	34.01	24.13	380.4	0.157
52.	14.38	34.38	3.27	1.27	25.65	236.6	50.	14.59	34.35	25.58	243.0	0.220
78.	12.64	34.60	0.75	2.48	26.17	187.1	75.	12.70	34.58	26.15	189.4	0.275
103.	11.66	34.70	0.37	2.73	26.44	162.4	100.	11.74	34.69	26.42	164.4	0.319
128.	11.26	34.73	0.41	2.44	26.54	153.7	150.	10.94	34.73	26.60	148.5	0.398
153.	10.90	34.73	0.34	2.12	26.60	147.9	200.	10.36	34.72	26.69	140.6	0.471
177.	10.57	34.71	0.37	2.53	26.66	142.8	250.	9.93	34.71	26.76	134.9	0.540
192.	10.43	34.72	0.44	2.79	26.68	141.5	300.	9.53	34.68	26.80	131.7	0.608
227.	10.14	34.72	0.57	2.73	26.73	137.4	400.	8.83	34.64	26.88	125.5	0.737
253.	9.90	34.71	0.56	3.26	26.76	134.7	500.	7.97	34.59	26.98	117.4	0.860
279.	9.75	34.70	0.66	2.32	26.78	133.5	600.	6.94	34.55	27.10	107.0	0.973
303.	9.50	34.68	0.53	2.75	26.81	131.4	700.	6.13	34.54	27.19	98.2	1.077
404.	8.81	34.64	0.34	2.48	26.89	125.3	800.	5.49	34.54	27.27	90.8	1.173
507.	7.90	34.59	0.34	2.63	26.99	116.8	1000.	4.55	34.57	27.41	78.6	1.344
607.	6.87	34.55	0.41	3.11	27.10	106.3	1200.	3.85	34.58	27.49	70.9	1.495
808.	5.45	34.54	0.84	3.22	27.28	90.3	1500.	3.08	34.61	27.59	61.5	1.697
1008.	4.52	34.57	1.04	3.20	27.41	78.2	2000.	2.23	34.65	27.69	50.9	1.983
1208.	3.83	34.58	1.43	2.84	27.49	70.7	2500.	1.89	34.67	27.74	47.2	2.232
1509.	3.06	34.61	1.76	3.16	27.59	61.3	3000.	1.70	34.68	27.76	45.6	2.469
2014.	2.21	34.65	2.27	3.14	27.70	50.7	4000.	1.46	34.70	27.79	43.6	2.926
2517.	1.88	34.67	2.55	2.34	27.74	47.1						
3019.	1.69	34.68	2.90	2.76	27.76	45.6						
4009.	1.46	34.70	3.56	2.43	27.79	43.6						

FROM BT DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA							
CROMWELL DRY BULB 24.3		10, STATION 27, 11-1N LAT, 147-56W LONG, NOV. 17, 1964, 1100 G.C.T.	WET BULB 23.4	WIND SPEED 12, DIR. 02	BAR. 13	WEATHER 03	VIS.	CLOUD TYPE	COVER	DYN. DEPTH					
DEPTH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN. DEPTH			
0.	25.43	33.64	4.62	0.55	22.21	563.3	0.	25.43	33.64	22.21	563.3	0.000			
10. ^A	25.49	33.65	4.70	0.55	22.20	564.7	10.	25.49	33.65	22.20	564.7	0.057			
20. ^A	25.48	33.65			22.20	564.8	20.	25.48	33.65	22.20	564.8	0.114			
30. ^A	25.40	33.68			22.25	560.7	30.	25.40	33.68	22.25	560.7	0.170			
50.	17.92	34.53	4.12	0.57	24.95	401.0	50.	17.92	34.53	24.95	401.0	0.257			
76.	15.60	34.48	3.80	1.03	25.46	255.5	75.	15.63	34.50	25.46	254.9	0.328			
99.	12.18	34.30	2.15	2.11	26.03	201.1	100.	12.11	34.30	26.05	199.6	0.385			
124.	11.24	34.47	1.13	2.89	26.34	172.3	150.	11.22	34.64	26.47	160.1	0.476			
150.	11.22	34.64	0.36	3.24	26.47	160.1	200.	10.59	34.69	26.62	146.9	0.553			
173.	11.00	34.68	0.30	2.74	26.55	153.8	250.	10.08	34.66	26.49	141.3	0.626			
188.	10.75	34.69	0.22	3.20	26.60	147.1	300.	9.45	34.64	26.78	133.7	0.695			
222.	10.35	34.67	0.22	3.36	26.65	144.5	400.	8.13	34.58	26.94	119.5	0.823			
248.	10.10	34.66	0.11	2.87	26.69	141.6	500.	7.14	34.52	27.04	110.7	0.939			
272.	9.83	34.65	0.20	2.86	26.73	138.3	600.	6.36	34.51	27.14	101.9	1.046			
296.	9.51	34.64	0.25	2.99	26.77	134.3	700.	5.70	34.51	27.23	94.3	1.145			
394.	8.20	34.58	0.45	2.64	26.93	120.1	800.	5.17	34.52	27.30	87.8	1.237			
494.	7.19	34.52	0.39	3.02	27.04	111.3	1000.	4.40	34.55	27.41	77.9	1.405			
591.	6.42	34.51	0.63	3.29	27.13	102.7	1200.	3.75	34.57	27.50	70.0	1.555			
788.	5.72	34.52	0.75	3.36	27.29	80.5									
985.	4.45	34.55	1.49	3.33	27.40	78.6									
1182.	3.80	34.57	1.47	3.20	27.49	70.8									
1479.	3.04	34.60	1.74	3.20	27.58	61.6									

CROMWELL 10, STATION 28, 13- ON LAT, 148- 1W LONG, NOV. 17, 1964, 2100 G.C.T.				DRY BULB 25.5	WET BULB 23.6	WIND SPEED 12, DIR. 07	BAR. 13	WEATHER 60	VIS. 8	CLOUD TYPE 4, COVER 7		
DEPTH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN. DEPTH
1.	25.73	33.72	5.40	0.44	22.17	566.4	0.	25.73	33.72	22.17	566.4	0.000
11. ^A	25.66	33.73	5.39	0.48	22.20	564.0	10.	25.66	33.73	22.20	564.1	0.057
30. ^A	25.66	33.73			22.20	564.8	20.	25.65	33.73	22.21	564.0	0.114
50. ^A	25.66	33.73			22.20	565.5	30.	25.66	33.73	22.20	564.8	0.171
75.	21.85	34.89	5.97	0.45	24.20	376.0	50.	25.66	33.73	22.20	565.5	0.284
100.	20.40	35.01	5.53	0.48	24.68	330.5	75.	21.85	34.89	24.20	376.0	0.403
124.	17.45	34.69	4.99	0.76	25.19	282.8	100.	20.40	35.01	24.68	330.5	0.492
151.	13.77	34.34	3.35	1.71	25.74	230.0	150.	13.89	34.35	25.73	231.8	0.634
174.	12.04	34.43	1.54	2.27	26.14	190.9	200.	11.02	34.56	26.45	163.4	0.733
189.	11.27	34.50	1.46	2.36	26.36	172.2	250.	10.54	34.67	26.62	149.3	0.912
222.	10.82	34.66	0.46	2.67	26.56	151.3	300.	9.96	34.66	26.71	140.4	0.885
248.	10.56	34.67	0.40	2.67	26.62	144.7	400.	8.79	34.60	26.86	127.9	1.020
273.	10.30	34.68	0.32	2.62	26.67	144.0	500.	7.73	34.56	26.99	116.5	1.143
298.	9.98	34.66	0.27	2.80	26.71	140.7	600.	6.79	34.52	27.09	107.4	1.256
396.	8.83	34.60	0.40	2.99	26.85	128.4	700.	5.93	34.52	27.20	97.1	1.360
495.	7.78	34.56	0.40	3.00	26.98	117.0	800.	5.23	34.53	27.30	87.9	1.453
592.	6.87	34.52	0.54	3.07	27.08	108.2	1000.	4.40	34.56	27.42	77.3	1.620
787.	5.30	34.53	0.90	3.30	27.29	89.8	1200.	3.70	34.58	27.50	69.2	1.769
984.	4.46	34.56	0.95	3.20	27.41	78.0						
1179.	3.77	34.57	1.18	3.16	27.49	70.5						
1478.	2.99	34.61	2.00	3.09	27.60	60.2						

CROMWELL 10, STATION 29, 14-28N LAT, 147-59W LONG, NOV. 18, 1964, 0500 G.C.T.				DRY BULB 24.0	WET BULB 22.6	WIND SPEED 11, DIR. 11	BAR. 14	WEATHER 63	VIS. 4	CLOUD TYPE	COVER	
DEPTH	TEMP.	SAL.	CXY.	P04-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN. DEPTH
0.	25.56	33.76	5.62	0.79	22.26	558.5	0.	25.56	33.76	22.26	558.5	0.000
10. ^A	25.64	34.14	5.69		22.52	533.9	10.	25.64	34.14	22.52	533.9	0.055
30. ^A	25.60	34.22			22.59	527.7	20.	25.64	34.24	22.59	527.2	0.108
50. ^A	25.50	34.28			22.67	521.2	30.	25.60	34.22	22.59	527.7	0.162
78.	22.02	34.82	6.12	0.32	24.10	385.7	50.	25.50	34.28	22.67	521.2	0.267
100.	20.81	34.92	5.82	0.41	24.50	347.5	75.	22.43	34.76	23.93	401.1	0.383
125.	19.06	34.86	5.28	0.55	24.92	304.8	100.	20.81	34.92	24.50	347.5	0.478
151.	15.11	34.43	3.55	2.89	25.53	250.9	150.	15.27	34.45	25.50	253.1	0.629
176.	12.76	34.44	1.73	2.17	26.03	203.7	200.	11.79	34.59	26.33	175.3	0.737
190.	12.11	34.55	1.70	2.52	26.24	183.8	250.	10.51	34.60	26.57	153.0	0.820
223.	11.20	34.61	0.67		26.45	161.7	300.	10.19	34.66	26.67	144.2	0.895
250.	10.51	34.60	0.67	2.58	26.57	153.0	400.	9.03	34.62	26.84	130.2	1.033
274.	10.40	34.65	0.30	2.41	26.63	143.0	500.	7.98	34.56	26.95	120.1	1.159
299.	10.20	34.66	0.22	2.49	26.67	144.4	600.	7.13	34.53	27.05	111.4	1.276
398.	9.05	34.62	0.18	3.21	26.83	130.4	700.	6.24	34.52	27.16	101.1	1.384
499.	7.99	34.56	0.41	2.93	26.95	120.2	800.	5.46	34.52	27.26	91.6	1.481
598.	7.15	34.53	0.57	2.71	27.05	111.6	1000.	4.58	34.54	27.38	81.1	1.656
797.	5.48	34.52	1.02	2.69	27.26	97.0	1200.	3.87	34.56	27.47	72.5	1.912
996.	4.60	34.54		3.24	27.38	81.3						
1196.	3.89	34.56	1.38	3.01	27.47	72.8						
1494.	3.11	34.60	2.24	3.11	27.58	62.5						

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA					
CROMWELL DRY BULB 24.4	10, STATION WET BULB 21.9	30°, 15-55' LAT, 147-56W LONG, NOV. 18, 1964, 1400 G.C.T.	WIND SPEED 08, DIR. 07	BAR. 13	WEATHER 01	VIS.	CLOUD TYPE	COVER 2	DYN.OPTH.				
DEPTH	TEMP.	SAL.	XY.	P04-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T
0.	25.06	33.86	4.91	0.59	22.48	536.7	0.	25.06	33.86	22.48	536.7	0.000	
10.	25.10	33.86	5.03	0.32	22.47	536.2	10.	25.10	33.86	22.47	536.2	0.054	
30. ^Δ	25.00	33.98			22.59	527.5	20.	25.09	33.90	22.51	535.2	0.108	
50. ^Δ	24.60	34.24			22.91	498.0	30.	25.00	33.98	22.59	527.5	0.162	
52.	23.70	34.60	5.18	0.59	23.45	446.6	50.	24.60	34.24	22.91	498.0	0.265	
76.	21.34	34.86	5.23	0.35	24.31	364.8	75.	21.27	34.92	24.38	358.2	0.373	
101.	20.60	35.22	4.92	0.30	24.79	320.5	100.	20.62	35.21	24.78	321.7	0.459	
126.	18.71	34.97	4.58	0.43	25.09	292.4	150.	15.14	34.45	25.54	249.8	0.603	
152.	18.82	34.41			25.56	246.3	200.	10.84	34.19	26.19	187.7	0.713	
176.	12.07	34.19			1.39	25.97	209.1	250.	10.06	34.42	26.51	158.9	0.600
196.	11.01	34.18	3.29	1.69	26.16	191.3	300.	9.48	34.50	26.67	144.3	0.877	
225.	10.15	34.30	2.05	2.22	26.40	168.4	400.	8.02	34.49	26.89	124.0	1.012	
251.	10.06	34.42	1.23	2.59	26.51	158.6	500.	7.07	34.49	27.03	111.9	1.131	
277.	9.75	34.49	0.31		26.62	149.9	600.	6.26	34.50	27.14	101.4	1.239	
302.	9.46	34.50	0.69	2.69	26.67	144.0	700.	5.60	34.51	27.24	93.1	1.337	
402.	7.99	34.49	0.43	2.78	26.90	123.7	800.	5.05	34.52	27.31	86.5	1.428	
503.	7.05	34.49	0.55	3.24	27.03	111.7	1000.	4.24	34.54	27.42	76.9	1.593	
602.	6.25	34.50	0.55	3.16	27.15	101.3	1200.	3.62	34.57	27.50	69.0	1.741	
801.	5.05	34.52	0.81	3.39	27.31								
995.	4.26	34.54	1.02	3.31	27.41								
1188.	3.69	34.57	1.24	3.11	27.50								
1476.	2.94	34.60	1.58	2.96	27.59								

SALINITY ERROR TERM AT 75. METERS IS 0.05

CROMWELL DRY BULB 24.2	10, STATION WET BULB 21.0	31, 17-30N LAT, 147-56W LONG, NOV. 18, 1964, 2400 G.C.T.	WIND SPEED 10, DIR. 05	BAR. 15	WEATHER 01	VIS. 8	CLOUD TYPE 8	COVER 2	DYN.OPTH.				
DEPTH	TEMP.	SAL.	XY.	P04-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T
0.	25.06	33.94	4.78	0.28	22.54	530.9	0.	25.06	33.94	22.54	530.9	0.000	
10. ^Δ	24.78	33.94	5.01	0.27	22.63	523.2	10.	24.78	33.94	22.63	523.2	0.053	
30. ^Δ	24.68	33.94			22.66	521.1	20.	24.69	33.94	22.66	520.9	0.106	
50. ^Δ	24.68	33.94			22.66	521.9	30.	24.68	33.94	22.66	521.1	0.158	
76.	23.10	35.12	5.26	0.26	24.02	393.4	50.	24.68	33.94	22.66	521.9	0.263	
97.	20.99	34.93	5.08	0.31	24.46	351.4	75.	23.19	35.08	23.96	398.9	0.379	
128.	20.02	35.02	4.78	0.32	24.79	321.1	100.	20.87	34.94	24.50	347.9	0.473	
153.	18.33	34.86	4.67	0.46	25.10	292.1	150.	18.58	34.89	25.06	295.9	0.635	
177.	15.63	34.52	4.13	0.77	25.48	256.2	200.	12.85	34.26	25.87	219.5	0.765	
192.	13.53	34.31	3.93	1.02	25.77	228.5	250.	10.11	34.12	26.26	181.8	0.867	
227.	11.37	34.18	4.94		26.09	198.4	300.	9.87	34.44	26.55	155.4	0.952	
254.	9.96	34.12	4.10	1.60	26.29	179.1	400.	8.38	34.46	26.81	131.9	1.096	
279.	10.01	34.34	1.87	2.13	26.46	164.3	500.	7.16	34.44	26.98	116.8	1.222	
305.	9.82	34.45	1.02	2.24	26.57	153.6	600.	6.37	34.45	27.09	106.7	1.335	
406.	8.24	34.45	0.63	2.87	26.82	131.1	700.	5.74	34.47	27.19	98.0	1.438	
507.	7.09	34.44	0.54	2.93	26.99	116.0	800.	5.20	34.49	27.27	90.8	1.534	
608.	6.32	34.45	0.54	2.93	27.10	106.0	1000.	4.37	34.51	27.38	80.8	1.707	
809.	5.16	34.49	0.88	2.88	27.27	90.2	1200.	3.68	34.55	27.48	71.2	1.861	
1011.	4.33	34.51	1.03	3.02	27.38	80.3	1500.	2.91	34.59	27.59	60.9	2.062	
1211.	3.65	34.55	1.19	3.08	27.49	70.7	2000.	2.15	34.63	27.68	51.4	2.348	
1512.	2.88	34.59	1.54	3.02	27.59	60.6	2500.	1.80	34.66	27.74	46.8	2.598	
2011.	2.14	34.63	2.24	2.13	27.69	51.3	3000.	1.61	34.68	27.77	44.5	2.831	
2508.	1.90	34.66	2.72	2.40	27.74	46.7	4000.	1.45	34.69	27.79	44.1	3.284	
3015.	1.61	34.68	3.00	2.30	27.77	44.4	5000.	1.40	34.71	27.81	44.3	3.740	
4004.	1.45	34.69	3.57	2.73	27.79	44.1							
5000.**	1.40**	34.71	4.04	2.82	27.81	44.3							

TEMPERATURE ERROR TERM AT 200. METERS IS 0.10

CROMWELL DRY BULB 23.4	10, STATION WET BULB 20.9	32, 19-2N LAT, 147-59W LONG, NOV. 19, 1964, 1100 G.C.T.	WIND SPEED 04, DIR. 04	BAR. 14	WEATHER 00	VIS.	CLOUD TYPE	COVER	DYN.OPTH.				
DEPTH	TEMP.	SAL.	XY.	P04-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T
0.	24.56	34.74	5.14	0.37	23.30	458.9	0.	24.56	34.74	23.30	458.9	0.000	
9. ^Δ	24.57	34.73	5.12	1.61	23.29	460.2	10.	24.57	34.73	23.29	460.2	0.046	
30. ^Δ	24.50	34.73			23.31	459.0	20.	24.54	34.73	23.29	460.1	0.093	
50. ^Δ	24.42	34.74			23.34	456.8	30.	24.50	34.73	23.31	459.0	0.139	
75. ^Δ	23.90	34.83			23.56	436.5	50.	24.42	34.74	23.34	456.8	0.231	
101.	21.20	32.15	5.32	0.20	24.55	343.2	75.	23.90	34.83	23.56	436.5	0.344	
124.	20.73	35.24	5.05	0.18	24.77	323.2	100.	21.38	35.14	24.51	346.7	0.442	
151.	19.68	35.15	4.85	0.27	24.93	309.0	150.	19.92	35.16	24.92	309.5	0.608	
174.	18.59	34.98	4.86	0.35	25.13	290.4	200.	16.63	34.68	25.38	267.1	0.753	
188.	17.54	34.82	4.88		25.27	277.6	250.	12.74	34.21	25.85	221.8	0.876	
221.	15.01	34.46	4.85	0.57	25.57	248.6	300.	9.87	34.08	26.27	181.8	0.978	
247.	12.93	34.23	4.86	0.80	25.83	224.1	400.	7.38	34.12	26.69	142.3	1.142	
272.	11.49	34.13	4.76	1.07	26.03	205.2	500.	5.78	34.22	26.98	114.7	1.271	
296.	10.04	34.08	4.23	1.29	26.25	184.3	600.	5.16	34.30	27.12	102.1	1.381	
394.	7.50	34.12	2.44	2.12	26.68	143.7	700.	4.63	34.37	27.24	91.3	1.478	
473.	6.10	34.14	1.65	2.44	26.88	124.2	800.	4.44	34.48	27.35	81.5	1.566	
492.	5.78	34.18	1.14	3.27	26.95	117.3	1000.	4.00	34.53	27.43	74.7	1.724	
590.	5.32	34.32	0.77	3.67	27.12	102.3							
592.	5.27	34.31	0.72	2.76	27.12	102.4							
721.	4.72	34.44	0.82	3.02	27.29	87.4							
931.	4.10	34.52	1.02	2.93	27.42	76.0							
1000.**	4.00**	34.53**			27.43	74.7							

FROM BT DATA

**EXTRAPOLATED DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA			
CROMWELL DRY BULB 23.2	10, STATION 33, 20-23N LAT, 147-59W LONG, NOV. 19, 1964, 1900 G.C.T.	WET BULB 20.0	WIND SPEED 11, DIR. 07	HAR. 15	WEATHER 01	VIS. 8	CLOUD TYPE 8, COVER 8	DYN.DPTH.			
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	DYN.DPTH.
0.	24.19	34.81	5.14	0.24	23.46	44.33	0.	24.19	34.81	23.46	0.000
9. ^Δ	24.31	34.89	5.31	0.27	23.49	44.13	10.	24.32	34.89	23.49	0.045
30. ^Δ	24.32	34.90			23.49	44.16	20.	24.34	34.91	23.49	0.089
50. ^Δ	24.26	34.91			23.52	44.00	30.	24.32	34.90	23.49	0.133
75. ^Δ	24.20	34.92			23.56	43.85	50.	24.26	34.91	23.52	0.222
101.	21.53	35.15*	5.45	0.60	24.48	34.97	75.	24.20	34.92	23.54	0.133
127.	20.54	35.16	5.26	0.40	24.76	324.2	100.	21.64	35.14	24.44	0.433
152.	19.52	35.06	4.85	0.38	24.95	304.6	150.	19.61	35.07	24.94	0.599
177.	18.06	34.85	4.70	0.58	25.16	287.2	200.	18.87	34.72	25.34	0.745
192.	17.49	34.79	4.76	0.58	25.25	279.7	250.	12.66	34.22	25.88	0.868
223.	14.77	34.46	4.85	0.61	25.62	243.7	300.	16.39	34.09	26.20	1.895
252.	12.52	34.21	5.00	0.96	25.96	217.9	400.	7.63	34.07	26.62	1.142
280.	11.19	34.12	4.95	1.18	26.08	200.8	500.	6.20	34.18	26.89	1.280
302.	10.32	34.09	4.93	1.14	26.21	188.4	600.	5.51	34.35	27.12	1.395
402.	7.59	34.07	3.03	2.22	26.62	148.8	700.	5.03	34.43	27.24	1.493
506.	6.21	34.19	1.23	2.60	26.91	122.3	800.	4.67	34.46	27.31	1.583
607.	5.47	34.36	0.61	2.89	27.13	101.4	1000.	4.01	34.51	27.42	1.747
608.	4.65	34.46	0.74	3.18	27.31	85.9	1200.	3.45	34.54	27.50	69.1
1010.	3.98	34.51		2.60	27.42	76.0	1500.	2.76	34.59	27.60	59.2
1212.	3.42	34.54	1.31	3.60	27.50	68.7					2.090
1512.	2.74	34.59	1.82	2.58	27.60	58.9					

CROMWELL DRY BULB 23.3	10, STATION 34, 21-57N LAT, 147-59W LONG, NOV. 20, 1964, 0400 G.C.T.	WET BULB 20.0	WIND SPEED 07, DIR. 03	HAR. 14	WEATHER 02	VIS. B	CLOUD TYPE , COVER	DYN.DPTH.			
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	DYN.DPTH.
0.	24.10	34.71	5.28	0.49	23.41	447.9	0.	24.10	34.71	23.41	0.000
9. ^Δ	24.01	34.70	5.31	0.25	23.43	446.5	10.	24.00	34.71	23.44	0.045
30. ^Δ	23.86	34.88			23.51	430.1	20.	23.92	34.78	23.52	0.090
50. ^Δ	23.78	35.00			23.73	419.9	30.	23.86	34.88	23.61	0.133
74.	23.35	35.25	5.23	0.19	24.04	390.8	50.	23.77	35.00	23.73	0.219
97.	21.78	35.23	5.24	0.22	24.47	350.4	75.	23.28	35.25	24.06	0.321
121.	21.02	35.25	5.28	0.29	24.70	329.9	100.	21.67	35.23	24.51	0.414
145.	19.91	35.16	4.99	0.33	24.93	308.9	150.	19.72	35.14	24.96	0.578
169.	19.08	35.07	4.97	0.35	25.07	295.6	200.	17.97	34.89	25.22	0.726
183.	18.62	35.01	5.12	0.31	25.14	289.2	250.	13.52	34.27	25.74	0.956
216.	16.98	34.73	5.04	0.42	25.33	272.1	300.	10.87	34.07	26.10	1.990
239.	14.66	34.38	5.08	1.33	25.63	243.5	400.	7.61	34.05	26.60	150.9
263.	12.61	34.13	4.94	0.87	25.85	222.1	500.	6.22	34.13	26.86	1.282
286.	11.50	34.10	4.83	1.04	26.00	207.9	600.	5.49	34.25	27.04	1.402
379.	8.08	34.04	3.71	1.96	26.53	157.9	700.	5.01	34.37	27.20	75.9
473.	6.51	34.10	1.92	2.62	26.80	132.6	800.	4.65	34.46	27.31	86.1
566.	5.69	34.20	1.11	2.84	26.98	119.6	1000.	3.99	34.51	27.42	75.7
753.	4.83	34.43	0.71	2.77	27.26	89.8	1200.	3.44	34.58	27.51	67.6
940.	4.18	34.50	1.03	2.84	27.35	78.5					
1130.	3.62	34.54	1.31	2.93	27.48	70.5					
1421.	2.95	34.58	1.69	2.93	27.59	61.6					

CROMWELL DRY BULB 20.1	10, STATION 35, 23-27N LAT, 147-57W LONG, NOV. 20, 1964, 1400 G.C.T.	WET BULB 18.8	WIND SPEED 22, DIR. 05	HAR. 15	WEATHER 01	VIS.	CLOUD TYPE , COVER	DYN.DPTH.			
DEPTH	TEMP.	SAL.	OXY.	P04-P	SIGMA-T	DEPTH	TEMP.	SAL.	SIGMA-T	DEPTH	DYN.DPTH.
0.	23.29	35.13	5.18	0.32	23.97	395.0	0.	23.29	35.13	23.97	0.000
10. ^Δ	23.32	35.13	5.15	0.25	23.96	396.2	10.	23.32	35.13	23.96	0.040
50. ^Δ	23.31	35.13			23.96	397.4	20.	23.33	35.13	23.96	0.080
75. ^Δ	23.30	35.13			23.97	398.1	30.	23.33	35.13	23.96	0.120
99.	21.74	35.24	5.31	0.17	24.49	348.7	50.	23.31	35.13	23.96	0.200
124.	20.50	35.24	5.14	0.22	24.83	317.3	75.	23.30	35.13	23.97	0.300
149.	19.28	35.04	4.74		25.00	302.0	100.	21.69	35.24	24.51	0.394
173.	18.16	34.90	4.83	0.40	25.17	285.8	150.	19.23	35.03	25.01	0.557
187.	17.65	34.83	4.88	0.44	25.25	279.4	200.	16.96	34.72	25.33	0.702
221.	15.64	34.54	4.66	0.75	25.49	256.3	250.	13.73	34.35	25.76	0.928
247.	13.92	34.37	4.75	0.73	25.74	233.4	300.	11.40	34.19	26.09	1.998
271.	12.52	34.26	4.93	0.87	25.93	214.7	400.	8.84	34.06	26.43	168.1
295.	11.56	34.20	5.01	0.99	26.07	201.9	500.	6.74	34.03	26.71	141.0
392.	9.03	34.07	4.46	1.60	26.41	170.5	600.	5.34	34.11	26.96	117.9
492.	6.88	34.03	2.78	2.01	26.69	143.1	700.	4.77	34.24	27.12	102.4
588.	5.44	34.10	1.39	2.36	26.93	120.1	900.	4.55	34.36	27.24	91.8
784.	4.60	34.35	0.72	2.97	27.23	93.2	1000.	4.07	34.49	27.39	78.7
981.	4.12	34.48	1.03	2.98	27.38	79.6	1200.	3.57	34.55	27.49	69.9
1175.	3.62	34.53	1.26	27.47	71.5						
1472.	2.94	34.57	1.56	3.11	27.57	62.5					

TEMPERATURE ERROR TERM AT 700. METERS IS 0.10

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA												
CROMWELL DRY BULB 21.9	10° STATION WET BULB 18.2	36°, 25° ON LAT, 147-53W LONG, NOV. 20, 1964, 2300 G.C.T.	WIND SPEED 15, DIR. 09	BAR. 14	WEATHER 02	VIS. 7	CLOUD TYPE 6, COVER 8	DEPTH	TEMP.	SAL.	OXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	22.56	35.40	5.08	0.42	24.38	355.5	0.	22.56	35.40	24.38	355.5	0.000								
10.	22.56	35.39	5.04	0.41	24.38	356.6	10.	22.56	35.39	24.38	356.6	0.036								
50.	22.52	35.34			24.38	357.7	20.	22.56	35.39	24.37	357.2	0.072								
75.	22.44	35.37			24.39	357.2	30.	22.55	35.38	24.37	357.6	0.108								
98.	20.99	35.30	4.97	0.19	24.75	324.4	50.	22.52	35.39	24.38	357.7	0.180								
124.	20.47	35.27	5.10	0.20	24.86	314.4	75.	22.44	35.37	24.39	357.2	0.270								
149.	19.84	35.20	4.98	0.57	24.98	304.3	100.	20.95	35.30	24.75	323.8	0.356								
174.	18.40	34.96	4.95	0.86	25.16	287.2	150.	19.80	35.19	24.98	303.8	0.514								
188.	17.35	34.79	4.93	0.68	25.29	275.3	200.	16.55	34.67	25.39	265.9	0.657								
223.	15.10	34.50	4.99	0.55	25.58	247.7	250.	13.38	34.34	25.83	224.7	0.781								
248.	13.47	34.35	5.01		25.81	229.9	300.	11.53	34.22	26.09	200.3	0.888								
274.	12.52	34.29	5.09	0.91	25.96	212.6	400.	9.11	34.08	26.40	171.4	1.076								
298.	11.59	34.22	5.04	0.99	26.08	201.0	500.	6.66	34.02	26.72	140.8	1.233								
397.	9.19	34.08	4.69	1.49	26.39	172.4	600.	5.47	34.11	26.93	120.1	1.365								
497.	6.71	34.02	2.79	2.16	26.71	141.6	700.	4.82	34.24	27.11	103.3	1.478								
595.	5.51	34.10		2.71	26.92	121.0	800.	4.46	34.37	27.26	90.5	1.576								
792.	4.49	34.36	0.75	2.82	27.25	91.2	1000.	3.96	34.48	27.40	77.6	1.746								
991.	3.98	34.48	1.04	3.64	27.40	78.0	1200.	3.50	34.54	27.50	69.3	1.895								
1188.	3.51	34.53	1.36	3.62	27.48	70.3														
1483.	2.99	34.57	1.53	3.07	27.56	63.2														

CROMWELL DRY BULB 21.9	10° STATION WET BULB 14.1	37°, 26-30N LAT, 148°-OW LONG, NOV. 21, 1964, 0800 G.C.T.	WIND SPEED 27, DIR. 09	BAR. 16	WEATHER 03	VIS.	CLOUD TYPE 6, COVER 8	DEPTH	TEMP.	SAL.	OXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	22.17	35.41	5.30		24.50	344.2	0.	22.17	35.41	24.50	344.2	0.000								
12.	22.21	35.41	5.32		24.49	345.7	10.	22.20	35.41	24.49	345.5	0.035								
50.	22.18	35.40			24.49	347.1	20.	22.22	35.41	24.49	346.3	0.070								
75.	22.10	35.39			24.51	346.6	30.	22.22	35.41	24.48	346.9	0.104								
98.	19.35	35.03	5.31		24.97	302.7	50.	22.18	35.40	24.49	347.1	0.174								
126.	18.09	34.88	5.04		25.18	284.1	75.	22.10	35.39	24.51	346.6	0.262								
156.	16.74	34.70	5.04		25.36	267.0	100.	19.22	35.01	24.99	300.7	0.343								
176.	15.68	34.58	5.04		25.52	252.9	150.	17.02	34.74	25.33	270.5	0.487								
192.	14.87	34.51	5.10		25.64	241.2	200.	14.47	34.67	25.70	236.1	0.615								
225.	13.31	34.35	5.12		25.85	222.2	250.	12.41	34.28	25.97	210.4	0.727								
252.	12.35	34.28	5.15		25.98	209.6	300.	11.32	34.23	26.14	195.5	0.830								
277.	11.64	34.24	5.14		26.09	200.0	400.	9.11	34.10	26.42	169.3	1.014								
303.	11.29	34.23	5.17	1.13	26.14	195.0	500.	6.91	34.01	26.67	144.9	1.172								
403.	9.03	34.10	4.76	2.90	26.43	168.5	600.	5.54	34.06	26.89	124.1	1.308								
508.	6.76	34.01	3.27	2.20	26.69	143.1	700.	4.79	34.17	27.06	108.2	1.426								
606.	5.64	34.07	1.79	2.76	26.90	123.0	800.	4.37	34.28	27.20	95.7	1.529								
808.	4.35	34.29	0.58		27.21	94.9	1000.	3.80	34.44	27.38	79.2	1.706								
1008.	3.78	34.44	0.41	2.97	27.39	79.8	1200.	3.31	34.52	27.49	68.9	1.956								
1205.	3.30	34.52	1.20	3.08	27.50	68.7	1500.	2.81	34.57	27.58	61.2	2.054								
1506.	2.80	34.57	1.60	3.17	27.58	61.1	2000.	2.12	34.63	27.69	51.0	2.339								
2009.	2.11	34.63	0.45	3.29	27.69	56.9	2500.	1.74	34.67	27.75	45.2	2.584								
2504.	1.74	34.67	2.47	3.49	27.75	45.2	3000.	1.56	34.68	27.77	43.7	2.811								
3004.	1.56	34.68	2.99	2.56	27.77	43.7	4000.	1.49	34.70	27.79	44.0	3.260								
4004.	1.49	34.70	3.62	2.20	27.79	44.0														

CROMWELL DRY BULB 21.9	10° STATION WET BULB 20.5	38°, 25°-2N LAT, 150-58W LONG, NOV. 22, 1964, 0400 G.C.T.	WIND SPEED 20, DIR. 19	BAR. 08	WEATHER 02	VIS. 6	CLOUD TYPE 6, COVER 8	DEPTH	TEMP.	SAL.	OXY.	PD4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA	DYN.DPTH.
0.	23.29	35.12			23.96	395.7	0.	23.29	35.12	23.96	395.7	0.000								
10.	23.33	35.11			23.94	397.9	10.	23.33	35.11	23.94	397.9	0.040								
30.	23.24	35.19			24.03	390.4	20.	23.31	35.14	23.97	395.8	0.080								
50.	22.90	35.32			24.22	372.4	30.	23.24	35.19	24.03	390.4	0.120								
76.	22.54	35.40			24.39	357.8	50.	22.90	35.32	24.22	372.4	0.196								
103.	21.49	35.28			24.59	339.4	75.	22.56	35.40	24.38	358.3	0.288								
126.	19.93	35.11			24.88	312.3	100.	21.64	35.30	24.56	341.9	0.377								
152.	19.28	35.11			25.05	297.0	150.	19.31	35.11	25.04	297.9	0.538								
176.	18.51	35.00			25.16	287.1	200.	17.55	34.83	25.27	277.5	0.683								
192.	18.01	34.91			25.22	282.2	250.	14.24	34.41	25.70	236.8	0.812								
227.	15.70	34.55			25.49	257.0	300.	11.73	34.18	26.02	206.8	0.924								
253.	14.06	34.40			25.73	234.2	400.	9.09	34.07	26.39	171.7	1.115								
278.	12.71	34.27			25.90	217.8	500.	6.86	34.03	26.70	142.9	1.274								
302.	11.65	34.17			26.03	205.9	600.	5.53	34.11	26.93	120.3	1.407								
403.	9.04	34.07			26.40	170.9	700.	4.79	34.23	27.11	103.9	1.520								
506.	6.74	34.03			26.71	141.4	800.	4.38	34.33	27.24	92.0	1.619								
605.	5.48	34.12			26.94	119.3	1000.	3.95	34.48	27.40	78.1	1.791								
806.	4.37	34.34			27.24	91.4	1200.	3.51	34.54	27.49	69.8	1.941								
1008.	3.94	34.48			27.40	77.7	1500.	2.91	34.57	27.57	62.3	2.142								
1209.	3.49	34.54			27.49	69.5														
1510.	2.89	34.57			27.57	62.2														

FROM BT DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA			
CROMWELL	IN. STATION	39° 25'	IN LAT, 153°-59'W LONG, NOV. 22, 1964, 1200 G.C.T.	DRY BULB 24.5	WET BULB 22.5	WIND SPEED 22, DIR. 21	BAR. 11	WEATHER 01	VIS. 7	CLOUD TYPE 6, COVER	DYNS.DPTH.
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	23.31	35.16	5.02		23.99	393.3	0.	23.31	35.16	23.99	393.3
11.	23.29	35.16			23.99	393.2	10.	23.29	35.16	23.99	393.3
22.	22.43	35.25	5.05		24.31	365.7	20.	23.27	35.17	24.01	392.1
49.	21.56	35.23	4.97		24.53	344.8	30.	23.21	35.19	24.03	389.8
74.	20.98	35.22	4.81		24.69	331.5	50.	22.98	35.22	24.12	382.2
102.	20.22	35.18	4.90		24.86	315.6	75.	22.48	35.25	24.29	367.2
178.	19.11	35.01	4.67		25.02	301.0	100.	21.63	35.23	24.52	346.4
193.	18.54	34.95	4.72		25.12	292.0	150.	20.38	35.19	24.83	318.7
233.	16.29	34.64	4.66		25.42	263.6	200.	18.25	34.91	25.16	288.3
254.	14.40	34.44	4.80		25.69	238.3	250.	14.76	34.48	25.64	242.9
280.	12.69	34.28	4.93		25.88	220.5	300.	12.01	34.21	26.00	209.4
305.	11.82	34.20	4.83		26.02	206.9	400.	9.75	34.11	26.32	179.4
406.	9.67	34.11	4.66		26.33	178.2	500.	7.38	34.02	26.62	150.8
508.	7.20	34.02	3.30		26.64	148.6	600.	5.71	34.07	26.88	125.7
608.	5.61	34.03	1.56		26.90	123.9	700.	4.85	34.18	27.06	108.1
810.	4.41	34.31	0.69		27.22	94.1	800.	4.43	34.30	27.20	95.2
1011.	3.89	34.48	1.02		27.41	77.1	1000.	3.91	34.47	27.40	77.8
1212.	3.42	34.54	1.29		27.50	68.7	1200.	3.45	34.54	27.50	69.0
1514.	2.81	34.58	1.60		27.59	60.5	1500.	2.84	34.58	27.59	60.8
1990.	2.14	34.63	2.09		27.69	51.2	2000.	2.13	34.63	27.69	51.0
2488.	1.78	34.66	2.51		27.74	46.4	2500.	1.77	34.66	27.74	46.3
2998.	1.53	34.69	2.74		27.78	43.2	3000.	1.56	34.69	27.78	43.3
3986.	1.49	34.70	3.48		27.79	44.0					2.955

CROMWELL	IN. STATION	40°, 24-59N LAT, 157°-0W LONG, NOV. 23, 1964, 1400 G.C.T.	DRY BULB 23.5	WET BULB 21.8	WIND SPEED 17, DIR. 22	BAR. 13	WEATHER 02	VIS.	CLOUD TYPE , COVER	DYNS.DPTH.	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	22.93	35.23			24.15	377.8	0.	22.93	35.23	24.15	377.8
10.	22.94	35.23			24.15	376.5	10.	22.74	35.23	24.15	376.5
30.	22.94	35.23			24.15	379.3	20.	22.24	35.23	24.14	379.0
50.	22.90	35.23			24.16	376.9	30.	22.94	35.23	24.15	379.3
75.	22.82	35.22			24.17	376.4	50.	22.90	35.23	24.16	376.9
102.	20.50	35.09			24.72	327.3	75.	22.82	35.22	24.17	376.4
127.	19.94	35.05			24.83	316.9	100.	20.68	35.10	24.68	331.2
153.	18.69	34.94			25.07	295.0	150.	18.87	34.96	25.04	297.9
176.	17.11	34.75			25.31	272.4	200.	15.82	34.61	25.51	254.4
191.	16.25	34.66			25.45	260.0	250.	13.46	34.33	25.82	225.6
225.	14.69	34.48			25.66	249.6	300.	11.79	34.22	26.04	204.7
251.	13.35	34.33			25.82	225.1	400.	9.21	34.10	26.40	171.4
278.	12.71	34.32			25.94	214.1	500.	7.34	34.04	26.64	148.9
303.	11.64	34.20			26.06	203.5	600.	5.65	34.10	26.90	123.1
403.	9.16	34.10			26.41	170.6	700.	4.81	34.20	27.09	105.9
504.	7.27	34.04			26.65	148.0	800.	4.43	34.32	27.22	93.8
603.	5.61	34.10			26.91	122.4	1000.	3.97	34.46	27.39	78.5
804.	4.42	34.32			27.22	93.5	1200.	3.22	34.53	27.51	67.1
1006.	3.86	34.46			27.39	78.2	1500.	2.74	34.57	27.59	60.3
1207.	3.20	34.53			27.51	66.8					2.124
1506.	2.73	34.57			27.59	60.2					

CROMWELL	IN. STATION	41°, 23-30N LAT, 157°-0W LONG, NOV. 23, 1964, 2400 G.C.T.	DRY BULB 25.0	WET BULB 22.6	WIND SPEED 07, CIR. 16	BAR. 15	WEATHER 02	VIS.	CLOUD TYPE B, COVER	DYNS.DPTH.	
DEPTH	TEMP.	SAL.	OXY.	PO4-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	23.62	35.22			23.94	397.6	0.	23.62	35.22	23.94	397.6
10.	23.53	35.22			23.97	395.5	10.	23.53	35.22	23.97	395.5
30.	23.30	35.23			24.04	389.2	20.	23.41	35.22	24.00	392.5
49.	23.15	35.26			24.11	383.6	30.	23.30	35.23	24.04	389.2
74.	23.30	35.28			24.08	387.3	50.	23.15	35.26	24.11	383.7
98.	23.19	35.33			24.15	381.6	75.	23.32	35.28	24.08	387.6
122.	20.81	35.12			24.66	333.9	100.	23.02	35.32	24.19	377.9
148.	19.40	35.01			24.94	307.1	150.	19.31	35.00	24.96	305.7
171.	18.48	34.90			25.10	293.4	200.	17.03	34.74	25.33	271.7
185.	17.90	34.84			25.19	284.4	250.	13.67	34.37	25.79	228.8
219.	15.74	34.60			25.52	254.0	300.	11.70	34.25	26.08	201.1
245.	13.88	34.39			25.76	231.1	400.	9.16	34.09	26.40	171.2
269.	12.98	34.30			25.87	220.5	500.	6.69	34.03	26.72	140.4
293.	11.93	34.26			26.05	204.2	600.	5.35	34.11	26.95	118.6
393.	9.36	34.10			26.38	173.6	700.	4.72	34.24	27.12	102.2
490.	6.87	34.03			26.69	142.9	800.	4.45	34.36	27.25	90.6
587.	5.46	34.09			26.92	121.0	1000.	3.93	34.47	27.39	78.2
783.	4.50	34.35			27.24	92.0	1200.	3.35	34.54	27.51	67.5
979.	4.00	34.46			27.38	79.7					1.946
1176.	3.34	34.54			27.51	67.5					
1470.	2.74	34.58			27.60	59.4					

FROM BT DATA

Table 3.--Continued

ORIGINAL DATA				DERIVED DATA				INTERPOLATED DATA			
CROMWELL DRY BULB 25.5	L.H. STATION 42, 21-5724 LAT, 157-0W LONG, NOV. 24, 1964, 1000 G.C.T.	WET BULB 23.3	WIND SPEED 13, CLR. 21	BAR. 17	WEATHER 02	VIS.	CLOUD TYPE	COVER	DYN.DEPTH.		
DEPTH	T.H.P.	SAL.	F.XY.	PCT-P	SIGMA-T	DELTA	DEPTH	TEMP.	SAL.	SIGMA-T	DELTA
0.	24.44	34.97			23.51	438.8	0.	24.49	34.99	23.51	438.8
10.	24.48	35.00			23.52	438.2	10.	24.48	35.00	23.52	438.2
30.	24.38	35.02			23.58	434.7	20.	24.44	35.01	23.54	436.7
50.	24.26	35.04			23.62	430.6	30.	24.38	35.02	23.56	434.7
78.	22.88	35.14			24.11	384.5	50.	24.26	35.04	23.62	430.6
102.	21.92	35.20			24.41	356.5	75.	23.05	35.15	24.05	390.2
127.	20.88	35.23			24.72	327.3	100.	22.00	35.20	24.39	359.7
153.	20.08	35.14			24.87	314.9	150.	20.18	35.16	24.85	316.1
177.	18.93	34.99			25.04	299.2	200.	17.10	34.75	25.31	273.3
192.	17.79	34.84			25.22	282.1	250.	13.59	34.37	25.80	227.1
226.	15.02	34.43			25.59	247.5	300.	10.67	34.17	26.21	188.5
252.	13.47	34.36			25.84	225.3	400.	7.91	34.08	26.59	152.6
278.	11.36	34.19			26.10	198.6	500.	6.62	34.15	26.82	131.1
303.	10.61	34.17			26.22	187.5	600.	6.02	34.29	27.01	113.3
403.	7.84	34.03			26.60	191.8	700.	5.53	34.39	27.15	101.0
503.	6.60	34.15			26.83	130.5	800.	5.10	34.45	27.25	92.3
604.	6.00	34.30			27.02	112.7	1000.	4.30	34.50	27.38	80.6
804.	5.08	34.45			27.25	92.0	1200.	3.61	34.53	27.47	71.6
1004.	4.29	34.50			27.38	80.5	1500.	2.91	34.57	27.57	62.4
1202.	3.60	34.53			27.47	71.5					2.144
1502.	2.91	34.57			27.57	62.4					

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